CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, May 30, 1907.

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.) and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue
May				
*31	Dredging	Tarrytown, N. Y.	S. & B. S.	5- 2
June				
1	Power plant apparatus	Portsmouth, N. H.	S.	5- 2
1	Motor generator sets	New York, N. Y.	S.	5- 2
1	Laundry	Portsmouth, N. H.	S.	5- 2
*1	Harbor excavation	Buffalo, N.Y.	S. & B. S.	5- 2
1	Dam	Portland, Ore.	S. & B. S.	4-25
*1	Sewer outlet	Ft. Monroe, Va.	S.	5- 2
*3	Water pipe, etc.	Philadelphia, Pa.	P., S. & B. S.	5-23
*3	Dredging	Baltimore, Md.	S. & B. S.	5- 9
*5	Trestle, rock work	Portland, Ore.	P., S. & B. S.	5-16
*6	Lighting plant	Dora, Ala.	P., S. & B. S.	5-23
*6	Dike	Grand Chain, Ill.	S. & B. S.	5-16
8	Repairing hospital	Washington, D. C.	S.	5-30
17	Jetty	Portland, Ore.	S. & B. S.	5-23
*11	Engine	Atlantic City, N. J.	S. & B. S.	5- 9
12	Lock-gate	Pittsburg, Pa.	S.	5-30
*14	Pontoons	Cincinnati, Ohio	S. & B. S.	5-16
*15	Jetty work	Sabine Pass, Tex.	S. & B. S.	5-16
*17	Stone	Portland, Ore.	S. & B. S.	5-23
July				
27	Dry dock	Bremerton, Wash.	S.	5-30

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close.	Work.	Place.	On file.	See issue
June 1	Motor generator sets	New York, N. Y.	May	2
June 1	Power plant apparatus	Portsmouth, N. H.	May	2
June 1	Electric fixtures	Fort Wood, N. Y.	Apr.	18
June 1	Electric plant	Lawrence, Ind.	May	9
June 1	Lighting	Fort Strong, Mass.	May	16
June 1	Lighting	Madison Barracks, N. Y.	May	23
	Advertised, Eng. News, May 23.			
June 3	Wiring, etc.	Washington, D. C.	May	9
	Advertised, Eng. News, May 9 to 30.			
June 4	Power-house, etc.	Hillview, Ill.	May	30
June 5	Light plant	Franklin, La.	May	30
June 6	Lighting plant	Dora, Ala.	May	16
	Advertised, Eng. News, May 16 and 23.			
June 10	Smokestack	Ft. Adams, R. I.	May	16
June 11	Supplies	Washington, D. C.	May	16
June 11	Light	Macon, Ga.	May	23
June 12	Light plant	Fort Wayne, Ind.	May	2
June 12	Light plant	Hampton, Iowa	May	30
June 14	Light plant	Sausalito, Cal.	May	30
June 14	Equipment	Philadelphia, Pa.	May	16
	Advertised, Eng. News, May 16 to June 13.			

BRIDGES.

May 31	Steel shapes, etc.	New York, N. Y.	May	23
May 31	Bridge	La Crosse, Wis.	May	23
June 1	Removing bridge	Washington, D. C.	May	23
	Advertised, Eng. News, May 23 and 30.			
June 1	Bridge	Boscobel, Wis.	May	30
June 1	Bridge	Denver, Colo.	May	30
June 2	Bridges	Anniston, Ala.	May	23
June 3	Bridge	Alexandria, La.	May	23
	Advertised, Eng. News, May 23.			
June 3	Bridges	Dillon, Mont.	May	16
June 3	Sub & superstructures	Wapakoneta, Ohio.	May	16
June 3	Bridge	Colfax, La.	May	16
June 3	Substructure	Delaware, Ohio	May	30
June 3	Bridge	Port Bane, La.	May	30
June 3	Bridges	Torras, La.	May	30
June 3	Bridge	Hackensack, N. J.	May	30
June 3	Bridges	Atchinson, Kan.	May	30
June 4	Bridge	Willow, Cal.	May	30
June 4	Bridge	Pensacola, Fla.	Apr.	18
	Advertised, Eng. News, Apr. 18.			
June 4	Bridge	San Jose, Cal.	May	23
June 4	Bridge	Toms River, N. J.	May	23
June 4	Superstructure	Cincinnati, Ohio	May	23
	Advertised, Eng. News, May 23.			
June 5	Trestle, etc.	Portland, Ore.	May	9
	Advertised, Eng. News, May 9-30.			
June 6	Bridges	Ebensburg, Pa.	May	23
June 6	Bridge and culverts	Ft. Scott, Kan.	May	30
June 6	Bridges	London, Ont.	May	30
June 7	Bridges	Reading, Pa.	May	30
	Advertised, Engineering News, May 30.			
June 7	Bridge repairs, etc.	Cincinnati, Ohio	May	30
June 8	Bridges, etc.	Cleveland, Ohio	May	30
June 10	Bridge	Wooster, Ohio	May	30
June 10	Superstructure	Parkersburg, W. Va.	May	23
	Advertised, Eng. News, May 23.			
June 11	Bridge	Hamilton, Ohio	May	30
June 14	Bridge work	Cincinnati, Ohio	May	30
June 14	Bridge flooring	Knoxville, Tenn.	May	23
	Advertised, Eng. News, May 23 and 30.			
June 15	Trestle, etc.	Ft. Dade, Fla.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 15	Bridge	Washington, D. C.	May	30
	Advertised, Engineering News, May 30 to June 6.			
June 17	Abutment	Jefferson, Ohio	May	30
June 18	Bridge	Brunswick, Mo.	May	30

BUILDINGS.

May 31	Bakery machinery	Des Moines, Idaho	May	9
June 1	Heating	Ft. McPherson, Ga.	May	2
June 1	Laundry	Portsmouth, N. H.	May	2
June 4	University buildings	University, N. Dak.	May	23
June 4	State Capitol	Pierre, S. Dak.	Mar.	7
June 4	State Capitol	Pierre, S. Dak.	Mar.	7
June 5	Additions	Binghamton, N. Y.	May	23
	Advertised, Eng. News, May 23 and 30.			
June 5	Grain elevator	Montreal, Que.	May	16
June 6	Post office	Wichita, Kan.	May	9
	Advertised, Eng. News, May 9-16.			
June 8	Elevator	Macon, Ga.	May	30
	Advertised, Engineering News, May 30 and June 6.			
June 8	Repairs	Washington, D. C.	May	30
June 10	Ventilating	New York, N. Y.	May	30
June 10	Schools	New York, N. Y.	May	30
June 11	Heating, etc.	Seattle, Wash.	May	16
	Advertised, Eng. News, May 16 and 23.			
June 13	Post office	Meriden, Conn.	May	9
	Advertised, Eng. News, May 9 and 16.			
June 15	Ice plant, etc.	Fort Dade, Fla.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 17	Post-office	Webster City, Iowa	May	16

WATER SUPPLY AND IRRIGATION.

May 30	Water-works	Thomas, Okla.	May	16
	Advertised, Eng. News, May 16 and 23.			
May 31	Reservoir	Belding, Mich.	May	16
	Advertised, Eng. News, May 16.			
May 31	Pipe, etc.	Cincinnati, Ohio	May	16
May 31	Laying pipe	Cincinnati, Ohio	May	9
May 31	Ditching	Sanford, Man.	May	30
May 31	Cast-iron pipe	Little Falls, N. Y.	May	30
May 31	Reservoir	Wauseon, Ohio	May	30
June 1	Tank and trestle	Ft. Bayard, N. Mex.	May	30
June 1	Water main	Mancelona, Mich.	May	30
June 1	Ditch	Des Moines, Iowa	May	16
June 1	Cast-iron pipe	Brewster, N. Y.	May	23
	Advertised, Eng. News, May 23.			
June 3	Reservoir, etc.	Brewster, N. Y.	May	23
	Advertised, Eng. News, May 23.			
June 3	Water-works	Bigtimber, Mont.	May	16
June 3	Water-works	Nacogdoches, Tex.	May	16
	Advertised, Eng. News, May 16 to 30.			
June 3	Water pipe	Philadelphia, Pa.	May	16
	Advertised, Eng. News, May 16 to 30.			
June 3	Well, etc.	Fort Bliss, Tex.	May	21
June 3	Water main	Iowa Falls, Iowa	May	30
June 3	Building	Orange, N. J.	May	30
June 4	Water mains	Alexandria, La.	May	16
June 5	Dike, Crawford	Neb.	Mar.	21
	Advertised, Eng News, Mar 21 to Apr. 11.			
June 5	Filter plant	Burlington, N. J.	Apr.	25
	Advertised, Eng. News, Apr. 25 to May 30.			
June 5	Reservoir, Dillon	Mont.	May	23
June 5	Water-works	Browerville, Minn.	May	30
June 6	Water mains	Gladstone, Mich.	May	30
June 6	Water-works, etc.	Madison, Ga.	May	30
June 8	Water meters	Washington, D. C.	May	23
	Advertised, Eng. News, May 23 and 30.			
June 10	Pipe	Belle Fourche, S. Dak.	May	23
	Advertised, Eng. News, May 23 to June 6.			
June 10	Filters	West Point, N. Y.	May	23
	Advertised, Eng. News, May 23 to June 6.			
June 10	Boiler, pumps, etc.	Clinton, Okla.	May	30
	Advertised, Engineering News, May 30 to June 6.			
June 11	Drain	Logansport, Ind.	May	30
	Advertised, Eng. News, May 30.			
June 10	Ditch	Marshalltown, Iowa	May	30
June 11	Engine	Atlantic City, N. J.	May	30
	Advertised, Eng. News, May 30.			
June 11	Ditches	Parker, S. Dak.	May	30
June 11	Ditch	Logansport, Ind.	May	23
June 12	Hydrants, etc.	Portland, Ore.	May	30
June 15	Box covers	Washington, D. C.	May	30
	Advertised, Engineering News, May 30 to June 6.			
June 15	Stop cocks, etc.	Washington, D. C.	May	30
	Advertised, Engineering News, May 30 to June 6.			
June 15	Tank, etc.	Ft. Dade, Fla.	May	23
June 17	Pumping engine	Bellaire, Ohio	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 19	Water-works, etc.	Romney, W. Va.	Apr.	25
June 28	Laying pipe, etc.	Passaic, N. J.	May	16
	Advertised, Eng. News, May 16 to June 27.			
June 29	Filtration plant	Sandusky, Ohio	May	23
July 1	Dam	Portland, Ore.	Apr.	25
July 1	Water-works	Harvey, N. Dak.	May	30
July 15	Water-works	Eunice, La.	May	30
Aug. 19	Filtration plans	Sacramento, Cal.	May	30
	Advertised, Eng. News, May 30.			

SEWERAGE.

May 30	Sewers	Norfolk, Va.	May	2
	Advertised, Eng. News, May 2-23.			
May 30	Sewers	East Liverpool, Ohio	May	23
May 31	Sewers	Dowagiac, Mich.	May	16
May 31	Sub-sewer	Bellingham, Wash.	May	16
June 1	Sewers, etc.	Morristown, N. J.	May	16
	Advertised, Eng. News, May 16 and 23.			
June 1	Sewer outlet	Ft. Monroe, Va.	May	2
	Advertised, Eng. News, May 2-23.			
June 3	Sewers	Cape Girardeau, Mo.	May	9
June 3	Sewers	Caney, Kan.	May	9
June 3	Sewers, etc.	Cincinnati, Ohio	May	30
June 3	Sewers	Houghton, Mich.	May	30
June 3	Sewer	Milroy, Minn.	May	30
June 3	Sewers	Kelso, Wash.	May	30
June 3	Sewer	Valley City, N. Dak.	May	30
June 3	Sewer	Kearney, Neb.	May	30
June 4	Sewer	Oak Park, Ill.	May	30
	Advertised, Engineering News, May 30.			
June 4	Sewer	South Milwaukee, Wis.	May	30
June 4	Sewers	Fairbury, Neb.	May	9
June 4	Sewer pipe	Alexandria, La.	May	2
June 4	Sewers, etc.	Springfield, Ohio	May	16
	Advertised, Eng. News, May 16 and 23.			
June 4	Sewers	University, N. Dak.	May	23
June 4	Sewers	New York, N. Y.	May	23
June 5	Sewer	East Chicago, Ind.	May	30
June 5	Sewers	Richmond, Ind.	May	30
June 6	Sewers	Buffalo, N. Y.	May	30
June 6	Sewer	Youngstown, Ohio	May	30
June 6	Sewer	Newark, Ohio	May	30
June 6	Sewer, etc.	New York, N. Y.	May	30
June 6	Sewer	Parkersburg, Va.	May	16
	Advertised, Eng. News, May 16 and 23.			
June 7	Sewer	St. Louis, Mo.	May	23
June 9	Sewers	McKeesport, Pa.	May	23
June 10	Sewers, etc.	Houston, Tex.	May	23
June 10	Sewer	Forest City, Pa.	May	30
	Advertised, Eng. News, May 9 and 16.			
June 12	Sewers	New York, N. Y.	May	23
	Advertised, Eng. News, May 23 to June 6.			
June 17	Sewers	Washington, D. C.	May	30
	Advertised, Engineering News, May 30 to June 6.			

STREETS AND ROADS.

June 1	Paving	Cadiz, Ohio	May	23
	Advertised, Eng. News, May 23 and 30.			
June 1	Roads, etc.	Ft. Meade, S. Dak.	May	23
June 1	Roads	Sedalia, Mo.	May	23
June 1	Roads, etc.	Whipple Barracks, Ariz.	May	23
June 1	Paving, etc.	Cleveland, Ohio	May	16
June 1	Sidewalks	Ft. D. A. Russell, Wyo.	May	9
June 1	Sidewalks	Ft. Logan H. Roots, Ark.	May	9
June 1	Sidewalks, etc.	Ft. Mott, N. J.	May	9
	Advertised, Eng. News, May 9 and 16.			
June 1	Roads, etc.	Ft. Screven, Ga.	May	9
June 1	Paving, etc.	Indianapolis, Ind.	May	9
June 1	Macadam	Ft. Hancock, N. J.	May	2
	Advertised, Eng. News, May 2-23.			
June 1	Paving	Seattle, Wash.	May	30
June 3	Grading, etc.	Tuckahoe, N. Y.	May	30
	Advertised, Engineering News, May 30.			
June 3	Paving	Albany, N. Y.	May	30
June 3	Sidewalk	Pleasant Ridge, Ohio	May	16
June 3	Paving, etc.	Sandusky, Ohio	May	16
June 3	Paving	Belvidere, N. J.	May	16
June 3	Roads	Greensburg, Ind.	May	16
June 3	Macadam, etc.	English, Ind.	May	16
June 3	Repairing pavement	New York, N. Y.	May	23
June 3	Paving, etc.	Montgomery, Ala.	May	23
June 4	Sidewalks	Palatka, Fla.	May	23
June 4	Improving roadbed	San Jose, Cal.	May	23
June 4	Paving, etc.	Piqua, Ohio	May	16
June 4	Highway	Ashland, Ohio	May	16
June 4	Paving, etc.	New York, N. Y.	May	23
June 4	Curb, etc.	Connersville, Ind.	May	30
June 4	Paving, etc.	Oak Park, Ill.	May	30
	Advertised, Engineering News, May 30.			
June 5	Road	Jacksonville, Fla.	May	30
June 5	Paving, etc.	New York, N. Y.	May	23
June 5	Roads	Concord, N. H.	May	23
June 5	Paving, etc.	Cincinnati, Ohio	May	23
June 6	Sidewalks	Carterville, Mo.	May	23
June 6	Highway	Cambridge, Ohio	May	16
June 6	Paving, etc.	New York, N. Y.	May	30
June 7	Paving	Louisville, Ky.	May	30
June 8	Grading	Washington, D. C.	May	30
	Advertised, Eng. News, May 30 to June 13.			
June 8	Improving roadway	Gary, Ind.	May	30
	Advertised, Engineering News, May 30 to June 6.			
June 10	Paving	Cedar Falls, Iowa	May	30
June 10	Grading, etc.	Salem, N. J.	May	23
	Advertised, Eng. News, May 23 to June 6.			
June 11	Highway	Chardon, Ohio	May	23
June 12	Roads	Freehold, N. J.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 12	Roads	Providence, R. I.	May	30
June 13	Equipment	Newman, Ga.	May	30
June 13	Highway	Zanesville, Ohio	May	23
June 14	Paving	Caldwell, Ohio	May	23
June 25	Paving, etc.	Reynoldsville, Pa.	May	9

MISCELLANEOUS CONTRACTS.

May 31	Dredging	Tarrytown, N. Y.	May	2
	Advertised, Eng. News, May 2 to May 23.			
May 31	Filtering materials	Philadelphia, Pa.	May	16
	Advertised, Eng. News, May 16 to 30.			
May 31	Repairing wharf	Philadelphia, Pa.	May	30
June 1	R. R. grading	Louisiana	May	23
	Advertised, Eng. News, May 23 and 30.			
June 1	Harbor excavation	Buffalo, N. Y.	May	2
	Advertised, Eng. News, May 2 to May 23.			
June 1	Repairing Statue of Liberty	New York	May	9
June 1	Wharf repairs	Ft. Washington, Md.	May	9
June 1	Levee	Memphis, Tenn.	May	9
	Advertised, Eng. News, May 9 to 23.			
June 1	Breakwater superstructure	Oswego, N. Y.	May	9
	Advertised, Eng. News, May 9 to 30.			
June 1	Park	Northampton, Mass.	May	30
June 3	Fire alarm equipment	Albany, N. Y.	May	30
June 3	Dredging	Baltimore, Md.	May	9
	Advertised, Eng. News, May 9 to 30.			
June 4	Lock and dam	Irvine, Ky.	May	9
	Advertised, Eng. News, May 9 to 23.			
June 4	Bulkheads	San Jose, Cal.	May	23
June 4	Nozzle, etc.	New York, N. Y.	May	30
June 5	Wharves	Ottawa, Ont.	May	30
June 5	Flagstaff	Ft. Jackson, La.	May	30
June 5	Dredging	New York, N. Y.	May	30
June 5	Ferry-house	New York, N. Y.	May	30
June 5	Coal-hoisting tower	Tiburon, Cal.	May	23
	Advertised, Eng. News, May 23 and 30.			
June 5	Trestle rock work	Portland, Ore.	May	16
June 5	Scows	New York, N. Y.	May	23
June 6	Dredging plant	Detroit, Mich.	May	16
June 6	Riprap	Ashland, Wis.	May	9
	Advertised, Eng. News, May 9 to 30.			
June 6	Dike	Grand Chain, Ill.	May	9
	Advertised, Eng. News, May 9 to 30.			
June 6	Granite monuments	New York, N. Y.	May	30
June 7	Rubber fire hose	New York, N. Y.	May	30
June 7	Riprap	Bridgeport, Conn.	May	9
	Advertised, Eng. News, May 9 to 30.			
June 7	Dredge	Philadelphia, Pa.	May	2
	Advertised, Eng. News, May 2 to May 23.			
June 7	Riprap	Washington, D. C.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 8	Levee	New Orleans, La.	May	23
June 10	Shelter for trucks	Fort Totten, N. Y.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 10	Sea-wall	Newport, R. I.	May	30
	Advertised, Eng. News, May 30 to June 6.			
June 12	Wharves	Ottawa, Ont.	May	30
June 12	Light vessels	Washington, D. C.	May	23
June 12	Dredging	San Diego, Cal.	May	23
June 12	Lock-gate	Pittsburg, Pa.	May	23
June 13	Sea-wall	San Francisco, Cal.	May	23
June 13	Subway	New York, N. Y.	May	23
June 13	Pipe fence	Brooklyn, N. Y.	May	30
June 13	Hydraulic dredge	Washington, D. C.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 14	Barges	Vicksburg, Miss.	May	30
June 14	Wharves	Ottawa, Ont.	May	30
June 14	Pontoons	Cincinnati, Ohio	May	23
	Advertised, Eng. News, May 23 to June 13.			
June 14	Dams, shore protection	Rock Island, Ill.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 15	Cement	Los Angeles, Cal.	May	16
June 15	Jetty work	Sabine Pass, Tex.	May	16
	Advertised, Eng. News, May 16 to June 6.			
June 15	Dredging	Hawaii	Apr.	25
June 15	Lock-gates, etc.	Nashville, Tenn.	May	23
	Advertised, Eng. News, May 23 to June 13.			
June 15	Steel tug	Duluth, Minn.	May	23
	Advertised, Eng. News, May 23 to June 13.			
June 15	Tunnel	Chattanooga, Tenn.	May	23
	Advertised, Eng. News, May 23 to June 6.			
June 15	Riprap, sea-wall	Winthrop, Mass.	May	23
June 15	Coal bunkers	Philadelphia, Pa.	May	23
June 15	Fences	Fort Myer, Va.	May	30
June 17	Stone	Portland, Ore.	May	23
	Advertised, Eng. News, May 23 to June 13.			
June 17	Jetty	Portland, Ore.	May	23
June 18	Dikes, walls	Savannah, Ga.	May	23
	Advertised, Eng. News, May 23 to June 13.			
June 19	Dredging	New York, N. Y.	May	23
	Advertised, Eng. News, May 23 to June 13.			

CIVIL SERVICE EXAMINATIONS.

June 4	Asst. Engr.	New York, N. Y.	May	9
	Advertised, Eng. News, May 9.			
June 5	Computer	Washington, D. C.	May	16
June 5	Steam Fitter	Ft. Leavenworth, Kan.	May	16
June 5	Aid and Laboratory Apprentice	Washington, D. C.	May	16

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

BRAZOS VALLEY, BRENHAM & GULF.—J. B. BETTS, of Topeka, Kan., has been awarded contract for construction work on the B. V., B. & G. Ry. Surveys are made and right-of-way and capital are secured. D. E. Teague is Pres., and A. Ludwig is Ch. Engr., Brenham, Tex. Noted fully on May 16.

COLUMBIA RIVER, OUTLOOK & NORTHERN.—W. McF. Stewart, Pres., Sunnyside, Wash., advises us that surveys are under way and that contracts probably will be awarded some time in July or August for building this line. Company was recently incorporated in Washington to build a railway from Vancouver to Spokane, Wash., about 450 miles. The route is over the Cascade Mountains, near Mt. Adams and across the Yakima Indian reservation, crossing the Yakima River near Granger.

EL PASO, MOUNTAIN PARK & ST. LOUIS.—This company has been granted an amended charter in Oklahoma. The road is to be built from a point in Kiowa or Greer Counties northeast to the north or east line of Indian Territory in the Quapaw Country, a distance of 380 miles. The road will pass through the counties of Greer, Comanche, Kiowa, Caddo, Canadian, Cleveland, Pottawatomie and Lincoln, in Oklahoma, and the Chickasha, Creek, Cherokee and Quapaw Nations. Capital stock, $7,000,000. Incorporators: R. K. Kelly, Mark Roberts, W. P. Bryan, B. Hillye and Alonzo Osborne, all of Mountain Park, Okla.

ERIE & JERSEY.—A press report from Middletown, N. Y., states that "orders were received on May 23 by BENNETT & TALBOTT, contractors, who are building the mile-long tunnel through the Shawangunk Mountain, at Otisville, N. Y., for the new Erie & Jersey Railroad, which is being built by the Erie Railroad from Newburgh Junction to Guymard, to again commence work building the new road. The work on the whole length of the road was suspended on April 1, and the contractors were instructed to remove all of their machinery. About half of the machinery had been removed to date, and it will take about 30 days for the contractors to get to work again. The building of the road involves an expenditure of about $12,000,000."

FRIO VALLEY.—Company has been chartered for the purpose of building a railroad from Leakey, Edwards County, Tex., south to a connection with the Southern Pacific Ry., at some point between Yucca and Sabinal, about 40 miles. Capital stock, $150,000. Main office, Leakey, Tex. Present directors are A. J. Ball and E. M. Tillman, Dallas, Tex.; M. L. Oppenheimer and S. H. Weis, of San Antonio, Tex., and M. Wolf, E. E. Wolf and G. G. Pryor, of Chicago, Ill.

GOTEBO & SOUTHWESTERN.—H. E. Colby, Pres., Gotebo, Okla., states that the company is ready to receive bids for construction and expects to build immediately 14 miles from Gotebo to Cooperton. The directors are Herbert E. Colby, Pres. and Gen. Mgr.; John W. Onstott, First Vice-Pres.; Peter Richert, Second Vice-Pres.; John J. Killewer, Auditor; Robert B. Wells, Secy. and Treas. Headquarters are at Gotebo. Noted on May 9.

GREENVILLE & KNOXVILLE.—This company is building with its own forces a line from Greenville, S. C., north via Travellers Rest, Marietta, River View, River Falls and Flat Rock to Hendersonville, N. C., 56 miles. About 19 miles are graded and 11 miles of track are laid to Marietta. Contracts for part of the work are to be let about July 1. Forty miles of the road will be through the Blue Ridge Mountains. There are to be two steel bridges, two steel viaducts and four short tunnels. W. D. Patterson is Pres., Atlanta, Ga., and J. N. Johnston is Ch. Engr., Travellers Rest, S. C.

GULF LINE.—It is announced that this company has been organized to build from Hawkinsville, Ga., to Carlyle, 76 miles, and eventually to extend through Bainbridge to the Gulf of Mexico. The company has secured a long lease of the Hawkinsville & Florida Southern Ry. from Hawkinsville to Worth, Ga., and has purchased the Flint River & Gulf Ry., extending from Ashburn through Sylvester to Carlyle, Ga. Certain trackage rights have been secured from the Southern Ry., which will give physical connection between the Hawkinsville & Florida Southern and the Flint River & Gulf. The projectors are: W. A. Wimbish, of Atlanta, Ga.; George J. Baldwin, of Savannah, Ga.; C. A. Alford, of Sylvester, Ga., and T. E. Lovejoy and H. E. Rodes, of Hawkinsville, Ga.

HORNELL & DANSVILLE.—The State Railroad Commission has granted authority to the Hornell & Dansville R. R. Co. to construct a steam railroad from Burns, Allegany County, to Dansville, Livingston County, a distance of ten miles. The road connects with the Erie Railroad at Burns, and with the Dansville & Mt. Morris R. R. at Dansville.

KENTUCKY NORTH & SOUTH.—A survey has been made, it is reported, for about 110 miles for the proposed Kentucky North & South R. R., which is to run from Fullerton, Ky., via Grayson and other points to Bristol, Tenn., about 250 miles. About 85% of the right-of-way is said to be secured. Edgar S. Parsons is Ch. Engr. Maj. T. J. Kirkpatrick and Dr. L. F. Niles, of Springfield, Ohio, are said to be the principal promoters of the enterprise.

LOUISIANA & SALINE SOUTHERN.—This company has been organized with headquarters at Arcadia, La. Over $50,000 of stock has been subscribed. The directors are J. E. Reynolds, Pres.; D. M. Atkins, First Vice-Pres.; F. T. Taylor, Second Vice-Pres.; B. Capos, Secy.; P. M. Atkins, Treas.; W. P. Head, Auditor; J. R. Wimberly, Gen. Attorney; D. E. Brown and H. B. Nelson.

MORGAN'S LOUISIANA & TEXAS R. R.—Company will soon invite bids to reconstruct all tracks in its yards at and near the head of Elysian Fields Ave., New Orleans, La., it is reported. A. V. Kellogg is Engr. at Houston, Tex.

OKLAHOMA & GOLDEN CITY.—John A. Griesel, Secy. of the Farmers and Merchants' Industrial Club, Golden City, Mo., advises us that this company has been organized to build a railroad from Pawhuska, Okla., to Jefferson City, Mo., with several branches as feeders, touching all the principal towns, timber, coal, oil, gas and lead and zinc mines in Oklahoma and Missouri. When completed it will put the oil fields of Oklahoma many miles nearer the big markets of the East than at present, also the extensive coal fields and the lead and zinc district of southwest Missouri, the timber lands of central Missouri and the large deposits of iron that abound all through central and southern Missouri. For further particulars Mr. Griesel may be addressed. Noted on April 11.

PACIFIC RAILWAY & NAVIGATION.—The Pacific Bridge Co., of Portland, Ore., has taken the contract for building this road from Tillamook City, Ore., north to Balm, 20 miles. It is to be completed in a year.

PAMLICO & WASHINGTON.—Chartered to build lines within a radius of 50 miles of Washington, N. C. Capital stock, $100,000. Incorporators: J. S. Hodge, L. B. Cox and E. J. Hocutt, of Washington, N. C.

PENSACOLA, MOBILE & NEW ORLEANS.—Company has been incorporated in Alabama by R. M. Robinson, J. W. Bullock, Jr., E. McLaughlin, W. J. Forbes, C. E. Merritt, J. H. Sherrill and Henry McLaughlin. The capital is $10,000 and the principal office will be located in Mobile. The officers are: Pres., Henry McLaughlin; Vice-Pres., R. M. Robinson; Secy., J. W. Bullock; Treas., J. W. Forbes. It is the purpose of the company to operate a railroad for freight and passengers. The road in the state of Alabama will run from a point on the east boundary line of Baldwin County, Alabama, through or near the city of Mobile to the boundary line between Alabama and Mississippi and is a part of the proposed extension of the Pensacola, Alabama & Tennessee R. R. road out of Pensacola. It is proposed to extend the road from near Muscogee, Fla., to Mobile Bay.

PITTSBURG & GILMORE.—Incorporated to build a railroad from Armstead, Mont., to Gilmore, Idaho, about 70 miles. Capital stock, $2,000,000. W. A. McCutcheon, Pres., 307 Fourth Ave., Pittsburg, Pa.; W. H. Baker is Ch. Engr., Junction, Idaho.

ROBERT LEE & FORT CHADBOURNE.—Organized to build from Robert Lee to Fort Chadbourne, Tex., 20 miles. Capital stock, $250,000. Austin Spencer, San Angelo, Tex., is Pres.

SAVANNAH & SOUTHWESTERN.—Company was organized at Savannah, Ga., with the following officers and directors: Pres., Harvey Granger; Vice-Pres., J. A. Carlton; Treas., E. M. Frank; Secy., D. G. Purse, Jr.; directors, F. C. Battey, Harvey Granger, J. J. McDonough, E. M. Frank, D. Y. Dancy, J. W. Quincy and J. A. Carlton. It is proposed to build a road from Savannah to St. Andrew's Bay, on the Gulf of Mexico, a distance of about 400 miles. Noted on April 25.

SAVANNAH & SOUTHWESTERN.—Contracts will be let soon for building this proposed line from Clyde, Ga., via Glenville, Boxley, Douglas, Moultrie and Cairo, Ga., and Quincy, Fla., Bristol and Blountstowe to St. Andrews Bay, about 350 miles. There are to be two steel bridges, each 100 ft. long. Harvey Granger is Pres., and D. B. Dunn, Ch. Engr., Savannah, Ga. Noted on April 25.

SHAWNEE CENTRAL.—This company, with $10,000,000 capital, has been chartered in Oklahoma to build a line from Muskogee, Ind. T., via Shawnee, Okla., to Childress, Tex., 300 miles, with a branch 80 miles long from Shawnee to Tulsa, Ind. T. The incorporators are Dr. W. S. Woods, Pres. of the National Bank of Commerce of Kansas City, Mo.; James M. Aydelotte, Jesse W. Ruby, Charles J. Benson, William P. Dix, William M. Davis, George H. Kerfoot, Henry T. Douglass, R. J. Burke, P. A. Norris and Sidney J. Roy, all of Shawnee, Okla.

SOUTH & WESTERN.—We are officially advised that the MacARTHUR BROS. CO., Fisher Bldg., Chicago, has been awarded the contract for building the South & Western line from Alta Pass, south to a point near Marion, N. C., the contract covering about 18 miles of work, on which there are 16 tunnels.

TENNESSEE COAL FIELDS & SOUTH ATLANTIC TRANSCONTINENTAL RY.—This company has been organized with the following officers: Pres., Col. S. A. Jones, of Waynesville, N. C.; First Vice-Pres., B. J. Sloan, Haywood County; Treas., W. B. Williamson, Asheville; Secy., I. L. Councill, Waynesville; General Counsel, Theodore F. Davidson, Asheville; Attorneys, W. E. Breese, Brevard; S. C. Welch, Waynesville. The company proposes to build a line from Knoxville, Tenn., via Waynesville, N. C., to Greenville, S. C., with a branch from Waynesville to Asheville and Rutherfordton, N. C.

WATERLOO, PELLA & SOUTHWESTERN.—E. A. Harris, Vice-Pres. and Gen. Mgr., Pella, Iowa, advises us that surveys are now being made and that right-of-way is being secured. The line will run from Waterloo, Iowa, to Tama, Grinnell, Pella, Knoxville and Chariton, 120 miles. Contracts probably will be let this fall. B. F. Keables is Pres. and J. L. Blank is Ch. Engr., Pella, Iowa.

WEST END TERMINAL.—Under this name a company has been organized in Missouri with a capital of $5,000,000 to build two bridges and a terminal belt line at St. Louis and East St. Louis. The plans include a bridge over the Mississippi River at a point south of the Missouri River; also a bridge over the same river at a point north of Jefferson Barracks, each to carry four tracks. A belt line is to be built paralleling the city limits and connecting the bridges. Negotiations are pending between this company, the Manufacturers' Railway and the St. Louis & Illinois Belt to merge the three companies. The Manufacturers' Railway is already planning extensive improvements in this section. The St. Louis & Illinois Belt has a large part of the right-of-way secured for its proposed line from Alton to Thebes, Ill., and eventually to Cairo, Ill., and it expects to begin the work shortly. The officers of the West End Terminal are: J. M. Denning, Pres., Des Moines, Iowa; W. L. Kennedy, Vice-Pres., St. Louis, Mo., and J. H. Hamilton, St. Louis, Mo., Secy. and Treas.

WOLCOTTVILLE & COLDWATER.—O. G. Wales, Pres., Kansas City, Mo., advises us that this company, which proposes to build a steam railroad 35 miles long from Wolcottville, Ind., to Coldwater, Mich., via Panama, Brushy Prairie and Mongo, will let contracts in about 60 days for construction work. Surveys are under way and right-of-way is partly secured.

ELECTRIC RAILWAYS.

LEWISTON, ME.—Under the title of the Lewiston, Augusta & Waterville St. Ry. Co., the Lewiston, Brunswick & Bath Street Railway and the Augusta, Winthrop & Gardiner Street Railway have been consolidated. The roads have 90 miles of line in and near Augusta and between Auburn and Bath. About 50 miles of connecting roads will be built. Equipment will be required. E. D. Reed is Ch. Engr. and Gen. Mgr. of the L., B. & B. St. Ry.

PORTLAND, ME.—The Portland & Northern R. R. Co. has been incorporated to build a street railroad in and through the cities of Portland and Westbrook and the towns of Windham, Raymond, Casco, Naples and Bridgton, Cumberland County. It will be a standard-gage line, 40 miles long. Capital stock is $160,000. Among those interested are William M. Sturges and N. D. Sturges, of Scranton, Pa.; Tracy W. Holland, of New York City; Howard Winslow, Henry L. Forham and Llewellyn Barton, of Portland; S. O. Hancock, of Casco.

NARRAGANSETT PIER, R. I.—The Sea View R. R. Co. may let contracts during the next two weeks for building an extension to Wakefield, a distance of about 2½ miles. A. E. Jackman is Gen. Mgr. and Pur. Agt.

SYRACUSE, N. Y.—The Syracuse & Chittenango Ry. Co. has been incorporated to build an electric line 18 miles long. The surveys for the road were completed last fall and right-of-way has been practically secured between Syracuse and Chittenango. The capital of the company will be $500,000. The names of the directors are: William H. Dowe, Hudson and 13th Sts.; George S. Terry, 29 Broadway; James G. Gregg, 141 Broadway; John F. McGovern, 141 Broadway; L. W. Stotesbury, 141 Broadway; D. S. Harding, 74 Broadway, and H. B. Tibbits, of New York; Charles B. Everson, of Syracuse, and Walter H. Stewart, of Chittenango. Immediately upon its organization the company will endeavor to secure franchises in Syracuse and in the villages and towns through which it intends to pass. The preliminary operations have been conducted by the Prudential Construction Co., Everson Bldg., Syracuse. The promoter is Thomas F. O'Shea, Syracuse.

AUBURN, N. Y.—JOHN F. DOLAN, of Elizabeth, N. J., has been awarded contract for grading and masonry work on section of the New York, Auburn & Lansing R. R. between Auburn and Ithaca. Work will be commenced at once. H. A. Clark is Ch. Engr. The line will be operated as a third-rail, high-speed electric road and also by steam.

NEW YORK, N. Y.—The directors of the Mohawk Valley Co., the corporation which holds, in the interest of the New York Central & Hudson River Railroad Co. and the Andrews-Stanley syndicate of Cleveland, the majority of the stock of several electric railway companies up the state, passed a resolution on May 24, according to the New York "Tribune," authorizing the company to advance a large amount of money to various subsidiary lines for improvements which have been planned for some time. The Mohawk Valley Co., it is announced, has sufficient funds on hand to enable it to continue these improvements. The Mohawk Valley Co. controls the Utica & Mohawk Valley Ry. Co.; Rome City Street Ry. Co.; Oneida Ry. Co.; Oneida Construction Co.; Syracuse Rapid Transit Ry. Co.; East Side Traction Co.; Rochester Ry. & Light Co.; Rochester Ry. Co.; Rochester & Suburban Co.; Rochester & Sodus Bay R. R. Co., and the Rochester & Eastern Rapid Ry. Co.; Canandaigua Gas Light Co.; Ontario Light & Traction Co. It owns the Schenectady Ry. Co. jointly with the D. & H. R. R. Co. D. W. Pardee is Secy., 527 Fifth Ave.

BUFFALO, N. Y.—The Buffalo, Genesee & Rochester Railway Co., of Depew, Erie County, was incorporated on May 24 to operate an electric street surface road 60 miles long from Depew to Rochester, with a branch line to Leroy, in Genesee County. The capital is $7,500,000. The directors are: Henry H. Kingston, North American Bldg.; J. Andrew Harris, Jr., Chestnut Ave.; John J. Collier, North American Bldg.; Samuel Welch, T. Henry Dixon, 32d and Mill Creek Road, all of Philadelphia; William B. Cutler, John H. Baker, 66 Ashland Ave.; John T. Mooney and Herbert P. Bissell, all of Buffalo. The company is believed to be an extension of the Buffalo & Depew Electric Road, the owners of which are the promoters of this new company.

OLEAN, N. Y.—Bids are asked by the Western New York & Pennsylvania Traction Co., Olean, for 9,100 ft. of track reconstruction, 9,000 sq. yds. of brick paving, 2,300 cu. yds. of concrete, in Bradford, Pa. 2,500 ft. of track construction, 2,500 sq. yds. of brick paving, 500 cu. yds. concrete, in Salamanca, N. Y. Also on 2,000 cu. yds. of concrete masonry near Carrollton, N. Y.

TRENTON, N. J.—W[illegible] officially informed that contract h[illegible]n awarded by the Trenton Street Rail[illegible] on May 2[illegible] to RICHARD NEWTON[illegible]renton, for the reconstruction of the [illegible] on East State St., from the Trenton [illegible]e to Johnson Ave., Hamilton Townsh[illegible]r County. A contract was also let [illegible]r County to Mr. Newton to macadam[illegible]e entire width of the street outside [illegible] railway company's tracks. The rail[illegible]ompany's work of reconstruction and [illegible]acadamizing of the road are to be done [illegible]taneously. The construction is under th[illegible]tion of T. K. Bell, Ch. Engr. of the T[illegible] St. Ry., Philadelphia.

CHESTER, PA.—The C[illegible] Traction Co. has awarded contract [illegible] J. ROGAN, Real Estate Trust Bldg[illegible]iladelphia. We are officially advised, [illegible]e lowering of the tracks on the Darby [illegible] Chester Turnpike, from Darby, Pa., to [illegible]rville, in the Borough of Eddystone, [illegible] distance of 6½ miles. The tracks [illegible] be lowered and raised an average of [illegible]t eight inches throughout in accordance [illegible] a decree of the courts. This recons[illegible]on is to be finished on or about June [illegible]. The construction is under the direction [illegible]. K. Bell, Ch. Engr., Philadelphia. The [illegible]ster Traction Co. has also let a contract [illegible]e BELMONT IRON WORKS, Philadelph[illegible] for the reconstruction and strengthen[illegible] of the 70-ft. span bridge at Waterville, [illegible] the Media Division of that company. T[illegible] became necessary owing to the incre[illegible] weight and speed of the cars. The wor[illegible] to be pushed rapidly to completion witho[illegible] any interruption of service, and will b[illegible] completely finished in from four to five we[illegible].

COLLEGEVILLE, PA.—The Perkiomen Valley Traction Co. has been chartered with a capital of $75,000 to build a line 11½ miles long, extending from Collegeville, Montgomery County, to Green Lane, passing through Iron Bridge, Schwenksville, Perkiomenville and Green Lane. Construction work will be begun at once. The line will connect with the new line of the Schuylkill Valley Traction Co. at Collegeville and the new Lederachville & Lewisburg branch of the Montgomery County Traction Co. at Green Lane. The directors are: Irvin H. Broadman, Pres.; Samuel E. Hughes, Geo. Dunn, Jas. M. Smith, I. H. Smoyer, Henry T. Hunsicker and V. G. Pryor. Noted on April 25.

WASHINGTON, D. C.—The Washington & Rockville R. R. Co. (controlled by the Washington Ry. & Electric Co.) plans to build an extension from Rockville to Gaithersburg, Md., about five miles long. H. W. Fuller, 14th and East Capitol Sts., is Gen. Mgr.

ONANCOCK, VA.—C. C. Long, Ch. Engr. of the Accomac Traction & Power Co., Onancock, informs us that surveys are made for proposed line, which will be eight miles in length. It will run from Onancock, via Tasely, to Accomac and Metomkin Bay. Right-of-way is secured. Capital is partly subscribed and bonds will be issued to secure remainder of funds necessary for construction. Spencer F. Rogers, Finney, Va., is Pres. Contracts will be let in about 30 days.

GRAFTON, W. VA.—The contract for building the City Traction Co.'s railway has been awarded to TOLBERT BROS., of Fairmont. The line will be 2½ miles in length, but extensions probably will be made as soon as this portion is completed. The Westinghouse Electric Co., of Pittsburg, probably will equip the company's power plant. S. M. Faust, of Connellsville, Pa., is Engr. The company has organized by electing officers as follows: Pres., John T. McGraw, Grafton; Vice-Pres., D. S. Overholt, Scottdale, Pa.; Treas., C. E. Conway, Fairmont; Secy., T. A. Deveney, Grafton; Executive Board, D. S. Overholt, John T. McGraw, T. A. Deveney and C. E. Conway.

DOUGLAS, GA.—A. B. Finley and E. Jowers, of Osierfield, are making initial steps toward building a street railway in Douglas. Application will be made to the City Council for the franchise and will make application to the Secretary of State for a charter.

WAYCROSS, GA.—The City Council has granted Messrs. Burdette, Loomis, Geo. W. Deen, of Waycross, and F. H. Elmore, of Jacksonville, a 50-year franchise to build and operate an electric railway over the streets of Waycross.

GADSDEN, ALA.—E. O. McCord, Pres. of the Sand Mountain Electric Co., states that the railway development, which is part of the plans of the company, is not sufficiently advanced to announce any details. Noted on May 9.

ZANESVILLE, OHIO.—The Ohio Electric Railway Co., of Cincinnati, has been incorporated with $100,000 capital stock by E. H. Berry, D. J. Downing, S. M. Murray, W. H. Schubert and C. W. Wilson, to own, construct and operate a line of electric railway running from Zanesville to the Indiana line near New Paris, Preble County, and extending to Richmond, Ind., Cincinnati, Toledo, Columbus, Washington C. H., Springfield, Dayton, Defiance, Lima, Fort Wayne. It will pass through Muskingum, Licking, Franklin, Madison, Clark, Greene, Montgomery, Preble, Hamilton, Butler, Warren, Champaign, Logan, Auglaize, Allen, Putnam, Defiance, Henry, Wood, Lucas, Pickaway, Fayette, Darke and Van Wert Counties, Ohio.

CLEVELAND, OHIO.—Directors of the Cleveland, Brooklyn & Elyria Railway Co. have elected the following officers: W. E. Brooks, Elyria, Pres.; J. J. Brettinger, Vice-Pres.; J. Harry Kniseley, Jr., Secy.; B. E. Ottman, Treas. The right-of-way has been secured for the most part, and it is stated that construction work will be begun soon.

FREMONT, OHIO.—The Fremont, Tiffin, Marion & Southern Interurban Railroad Co., of Tiffin, has been incorporated with $10,000 capital stock by Donald McKenzie, Wm. H. Kildon, Alex. Kiskadden, James D. Watson and W. W. Keller. The proposed line will run from Fremont through Sandusky to Tiffin, in Seneca County, and on to Marion, with the right to extend such branches as may be desired.

TERRE HAUTE, IND.—The Terre Haute & Merom Traction Co. has been incorporated to build a interurban line from Terre Haute to Merom, a distance of 30 miles. The capital stock will be $750,000. Work will be begun within two months. The survey has been completed and deeds to nearly all the right-of-way have been obtained. The incorporators are Lafayette Brown, H. L. Bartlett, R. L. Ruby, F. F. Oldbuck, J. T. Barrett, Frank S. Lewis, A. E. Hays and Virgil Pounds.

LA FAYETTE, IND.—We are officially advised that surveys have been made for the Chicago & Western Indiana Traction line, which will connect La Fayette, Crawfordsville and Greencastle, Ind. It will be 59.2 miles long. C. N. Wilson is Pres. and W. L. Eckhouse is Ch. Engr., 610 Traction Bldg., Indianapolis. Right-of-way is mostly obtained.

CARLYLE, ILL.—We are officially informed that the Carlyle & St. Louis R. R. Co. will let construction contracts soon. The line will extend from Carlyle to Lebanon, Ill., and will be 23 miles long. Right-of-way is being secured. Surveys will be started soon. Thomas E. Ford is Pres., Carlyle. Company has been incorporated in Illinois as an extension of the East St. Louis & Suburban, which is now in operation from East St. Louis to Lebanon. Capital stock, $5,000. Incorporators: Thomas E. Ford, Carlyle, Ill.; J. C. Eisenmeyer, Trenton, Ill.; B. H. Hiemann, Aviston, Ill. A. J. Kluthe and Henry Humert, of Breese, Ill.; A. Westerman, of Carlyle, and others.

AURORA, ILL.—The Aurora, Elgin & Chicago Railway Co. has been granted a franchise by the Aurora City Council to extend its lines to Pigeon Hill. The franchise is offered under the condition that the traction people give a bond of $10,000 to have the line built within six months. Charles Jones is Ch. Engr., Wheaton, Ill.

PANA, ILL.—At a recent meeting of the City Council an ordinance was passed granting a franchise to the new Southeastern Illinois Traction Co., which is to build a line from Springfield to Pana. The ordinance stipulates that the traction company is to commence the construction work within six months and complete the road within two years or forfeit its franchise. The road will run from here to Springfield by way of Assumption and Taylorville.

MEXICO, MO.—The Mexico, Perry & Santa Fe Traction Co., with headquarters in Mexico, will soon start work on a line from Mexico northeast to Perry, 20 miles. S. L. Robinson, Belleville, is Pres. and Gen. Mgr.; C. W. Gaither, St. Louis, First Vice-Pres.; W. W. Mundy, Mexico, Mo., Second Vice-Pres.; J. D. Bates, Centralia, Third Vice-Pres., and H. D. Ahlbrandt, St. Louis, Secy. and Treas.

DUFF, TEX.—The Duff & Eastern Railway Co. has been chartered to build a tramroad. The incorporators are George W. Curry, Charles C. Curry, P. D. Hammett and William P. Molette.

SAN ANGELO, TEX.—J. H. Ransom, of Hereford, Tex., has applied to the City Council for a street railway franchise in San Angelo.

OKLAHOMA CITY, OKLA.—We are officially advised that contracts probably will be let this year by the Oklahoma City, El Reno & Southwestern Electric Ry. Co. for building its line from Oklahoma City to El Reno, Lawton, Hobart and Enid, 175 miles. J. W. Smith, Hennessey, Okla., is Pres. Noted on March 28.

SNOHOMISH, WASH. — The Snohomish Construction Co. has been organized for the purpose of taking the contract and building the first section of the Snohomish Valley Railway. It is said that work will begin soon on this section, which comprises about 15 miles. Edgar Wright is Pres. and J. F. Taylor is Secy. and Treas. of the Snohomish Construction Co.

FOREST GROVE, ORE.—At a meeting held recently to consider the question of electric railway extensions to surrounding points, resolutions were adopted favoring immediate extension to Banks, and a committee consisting of A. G. Hoffman, B. H. Laughlin, Judge Hollis and J. F. Wood was appointed to interview property owners between cities and secure right-of-way.

ASTORIA, ORE.—The County Court has granted a 30-year franchise to E. B. McFarland and S. D. Adair for an electric line between this city, Warrenton, Flavel and Hammond. Under the terms of the franchise, the line is to be in operation within two years. The grantees are given a right-of-way 8 ft. in width along one side of the county road, where the road is 60 ft. in width, but where the road is only 40 ft. wide, no right-of-way is granted. The line is allowed to run across the county bridges, the owners to pay one-half the cost of maintaining and operating the draws. The grantees are, however, required to build new approaches to the draws, alongside those owned by the county. Noted on March 28.

WATSONVILLE, CAL.—John B. Rogers, Ch. Engr. of the San Joaquin Valley Western Ry., 52 Eleventh St., San Francisco, Cal., informs us that contract for building first division of this railway will be let about June 1. Noted fully on April 18.

LIGHT AND POWER PLANTS.

GARDNER, MASS.—Plans have been completed by the Gardner Electric Light Co. for enlarging its power plant, which will double the capacity of the plant. The contract for the construction of the power house has been awarded to SCOVILLE & WHEELER, 518 Main St., Worcester, Mass. The company has purchased two American Diesel oil engines of 225 HP. each, a new Stanley alternating-current generator of 290 KW. capacity and a 190-KW. Triumph direct-current generator. The latter generator will be used to furnish electricity for manufacturing purposes. The company has recently contracted with P. Derby & Co., 226 North Main St., Gardner, to furnish electricity to operate the entire factory. The above improvements will involve an expenditure of about $50,000. E. W. Furbush, Gardner, is Ch. Engr.

NEW YORK, N. Y.—At a meeting of the directors of the Long Acre Electric Light & Power Co., controlled by the Manhattan Transit Co., the following executive committee was elected: John C. Sheehan, 253 Broadway; G. Tracey Rogers, Henry B. Harris, 139 West 44th St.; Edgar Van Etten and W. H. Lamprecht. The directors announced the purchase of property at 120th St. and Harlem River as a site for proposed 100,000-HP. station.

Bids are asked until 11 a. m., June 10, by C. B. J. Snyder, Supt. of School Bldgs., for installing electric equipment in addition to and alterations in Public School No. 41, on east side of Greenwich Ave., about 143 ft. north of West Tenth St., Bor. of Manhattan.

NEW YORK, N. Y.—No bids were received May 28 by John H. O'Brien, Comr. Water Supply, Gas and Electricity, for furnishing, installing, maintaining and reserving for the use of the high pressure fire service, all apparatus and equipment necessary for generating and transmitting power for use at the high pressure fire pumping stations in Boroughs of Manhattan and Brooklyn. Noted on May 16.

The following bids were received May 27 by C. B. J. Snyder, Supt. School Bldgs., for installing electric equipment in new Public School No. 16, on east side of Sycamore Ave., between Lake and Park Sts., Corona, Boro. of Queens: L. F. Benn, 725 Broadway, $8,670; Griffin & Co., 150 Nassau St., $9,199; Gore, Duggan Electric Co., 206 Broadway, $8,790.

HEMPSTEAD, N. Y.—The Nassau & Suffolk Lighting Co., of Hempstead, Nassau County, has applied to the State Gas Commission for consent to increase its capital stock from $500,000 to $1,000,000. The company supplies gas in Hempstead, Garden City, Freeport, Rockville Centre and Baldwins, and the purpose of the proposed increase is for extensions and improvements. L. A. Howland, Roslyn, is Mgr.

SHERBURNE, N. Y.—Bids will be received in June or July for constructing an electric light plant, to cost about $15,000. Levi Collins is Village Clk.

NIAGARA FALLS, N. Y.—The bill authorizing completion of the electrical installation for lighting the grounds and buildings at the State Reservation at Niagara, including necessary lamps, transformer houses, transformers, cables, wires, vaults, etc., electrical machinery and appliances, has become a law. The cost of the work will be $14,000. Alvah K. Potter, Lockport, N. Y., is one of the commissioners in charge of the reservation. George L. Heins, the Capitol, Albany, is State Arch.

SENECA, S. C.—The city has voted affirmatively upon issuing $25,000 of bonds for equipping the electric light plant. The power will be generated by steam. L. A. Edwards, J. W. Bird and W. F. Austin are Comrs. Board of Public Works.

MADISON, GA.—See under Water Supply-Irrigation.

NEWNAN, GA.—Bids are asked until June 3 by the Newnan Water and Light Commissioner for the following apparatus for its proposed electric station: Two 150-KW. revolving-field alternators for direct connection to steam engines; two medium-speed steam engines for direct connection to above alternators; one switchboard complete. W. B. Pringle is Secy. of Comn.

AUGUSTA, GA.—The Augusta Gas Co. will begin proposed improvements to its plant soon, involving an expenditure of $100,000. First work to be undertaken will be erection of gasholder with capacity of 500,000 cu. ft., costing about $40,000. Other improvements to be made include installing a battery of new purifiers with daily capacity of 1,000,000 cu. ft. of gas and the construction of 8-in. main from plant to Broadway. M. D. Schindler is Mgr.

GULFPORT, MISS.—The Gulf Coast Gas Co. will enlarge its plant and extend its mains to Long Beach and Pass Christian, Miss. Additional machinery will be installed.

FRANKLIN, LA.—Bids are asked until June 5 for constructing an electric light plant in Franklin. Estimated cost, $30,000. John C. Lewis is Mayor; Warren B. Reed, Hibernia Bank Bldg., New Orleans, is Engr.

LAWRENCEBURG, TENN. — Kirkpatrick & Johnson, Engrs., Jackson, Miss., have been engaged to prepare plans and estimates for electric light and water systems to be installed here, for which purpose $25,000 has been voted. Robert Williams is Mayor.

LOUISVILLE, KY.—Bids are asked by the Kentucky Electric Co. for constructing its plant. It will be built above the high water-mark, and the cost is estimated at $800,000. The building will be constructed of steel. It is expected that light and power will be furnished by the company about June 1, 1908. Donald McDonald is Pres.; Bryan H. Allen is Secy.

COLUMBUS, OHIO.—The Directors of the Columbus Public Service Co., Columbus, Ohio, contemplate enlarging the company's plant for furnishing light and heat, and will purchase some additional equipment. W. H. Sharp, Columbus, is Secy. and Mgr.

BLOOMINGTON, IND.—Bids are asked by the National Heat, Light & Power Co. for a building and equipment, including an 800-HP. boiler.

INDIANAPOLIS, IND.—The State Board of Agriculture has voted to erect a waterworks, electric light and heating plant at the State Fair Grounds. The plant is to cost $10,000, and will be completed in time for the next State Fair. Work will begin at once and the Board has contracted with N. W. GILCHRIST, Traction Terminal Bldg., Indianapolis, to drill one 400-ft. rock well for the purpose of supplying water for the plant. The plant will be located a short distance south of the Fair Grounds Hotel. It will furnish heat for the live stock pavilion now being erected, the hotel and the residence of the custodian. The grounds, amphitheater and show pavilion will be wired for electricity.

CLAY CITY, IND.—Bids are asked by the Clay City Light Co. for reconstruction and equipment of an electric light plant on the site of the plant recently destroyed by explosions. C. F. Nickey, Clay City, is Mgr.

HILLVIEW, ILL.—Bids are asked until June 4 by Louis Lowenstein, for constructing a power house and pumping station. G. L. Harvey is Arch., 175 Dearborn St., Chicago.

SUPERIOR, WIS.—Owen Ford, Security Bldg., St. Louis, Mo., is preparing plans for a municipal electric light and power plant of about 1,000 HP. capacity.

DAVENPORT, IOWA.—Extensive improvements are being contemplated for the plant of the People's Light Co., which will involve an expenditure of about $230,000. J. G. White & Co., 43 Exchange Pl., New York, are Gen. Mgrs.

HAMPTON, IOWA.—Bids are asked by F. B. Strike, City Clerk, until June 12, for erecting a combined electric light and waterworks station.

KALISPELL, MONT.—Plans are being prepared by the Flathead Valley Water Power Co. for improvements to the Big Fork Electric Power & Light Co. to cost $50,000. L. W. Tingle is Mgr.

RUSSELLVILLE, ARK.—Work will be commenced at once on the electric light plant and electric street railway, which is to be built by the Southern Engineering Co., of Pine Bluff. The combined system will cost about $200,000. Adam J. Robinson, of Pine Bluff, is Pres., and J. C. Wilson, of St. Louis, Mo., Secy.

SEGUIN, TEX.—The Water-Works Trustees will expend about $10,000, it is reported, for improvements to the electric light plant recently purchased.

TULALIP, WASH.—Bids are asked by C. F. Larrabee, Acting Comr. of Indian Affairs, Washington, D. C., until June 12, for furnishing materials to construct and complete at the Tulalip School, Wash., dormitory, residence, hospital, warehouse, power-house and electric lighting plant. Charles M. Buchanan is Supt.

PRINEVILLE, ORE.—We are officially advised that the Pringle Falls Electric Power & Water Co. will ask for bids soon for constructing a plant to cost about $50,000. The power will be developed on the Deschets River in the Cascade Range, Forest Reserve. The plans are now at Washington, D. C., for approval. W. H. Huston is Engr.

SAUSALITO, CAL.—Bids are asked by Capt. B. F. Chealham, Constr. Q. M., 1086 North Point St., San Francisco, until June 14, for installing complete electric lighting system and furnishing electric current for illuminating and small motor purposes for Forts Baker and Barry, Cal.

FRESNO, CAL.—The Chinese merchants of this city propose to install an electric lighting plant. A company has been incorporated under the name of the Fresno Mutual Electric Light Co. The directors are Tong Duck, Sing Chung Lung, J. E. Ragsdale and others.

STONYFORD, CAL.—The Snow Mountain Power & Light Co. will erect a plant at Stony Creek, about three miles from here. The company will supply energy to Yolo and Colusa Counties about Jan. 1, 1908. Albert Lindstrom, Charles Glenn and C. R. Wicks are interested.

NOTRE DAME DE GRACE, QUE.—The SARAGUAY ELECTRIC LIGHT & POWER CO., of Cartierville, has secured the contract for lighting the town for ten years. The company agrees to install 100 Nernst lamps at $25 a lamp per year for single glower and $35 for double glower lamps.

COBALT, ONT.—The Montreal River Power Co. purposes to construct a complete power plant at the mouth of the Montreal River. About 15,000 HP. will be developed, and the power will be transmitted to the Cobalt mines, a distance of 20 miles.

LONDON, ONT.—The Grand Trunk Railway System intends to use electricity for power purposes in the car shops at London, and is preparing to have electrical machinery installed in the new addition to the car shops, which will be erected shortly. W. McWood, Montreal, Que., is Supt. Car Dept.

BRANDON, MAN.—The Brandon City Council is considering plans for development of electric power at Currie's Landing.

PORTAGE LA PRAIRIE, MAN.—Representatives of the International Heating & Lighting Co., Cleveland, O., have selected a site and will build a lighting plant here this summer.

CALGARY, ALTA.—The Calgary electric light plant will be erected at the Horseshoe Falls, on the Bow River, four miles from the city, and will cost about $500,000.

BRIDGES.

MEDFORD, MASS.—A foot bridge may soon be constructed to connect Pembroke and Otis Sts. Estimated cost, $3,500.

HARTFORD, CONN.—The following bids are reported to have been received May 20 for rebuilding southerly abutment and wing walls of Laurel St. bridge over Park River: Fred. T. Ley & Co., Springfield, $8,667; Hartford Paving & Construction Co., $7,394; Geo. M. Atkins Co., Palmer, Mass., $7,995; F. B. & W. H. O'Neil, $9,241, and Alfred L. Hills, $5,671. Frederick L. Ford is City Engr.

NEW YORK, N. Y.—Plans for constructing East River bridge for the New York Connecting Railroad Co. have been filed with the Municipal Art Commission for its approval. The bridge, which is part of the Pennsylvania improvement project, will be over three miles long, connecting the New York, New Haven & Hartford R. R. system in The Bronx with the Long Island R. R. About 80,000 tons of steel will be required for its construction. It will carry four railroad tracks imbedded in stone ballast, and will extend over Hell Gate, Ward's Island, Little Hell Gate, Randall's Island and the Bronx Kills. Through freight from New England to the South and West will be carried over this route and across New York Bay from Bay Ridge to Greeneville, N. J.

HACKENSACK, N. J.—Bids are asked by the Joint Committee of the Boards of Chosen Freeholders of Bergen and Passaic Counties on Wagaraw Bridge, until June 3, at the office of Wm. H. Taylor, Clk., Bergen County Bd., at Hackensack, for erection of reinforced concrete bridge of three spans of approximately 100 ft. each.

READING, PA.—Bids are asked by H. F. Livingood, County Controller, until 10 a. m., June 7, for erecting reinforced concrete arch bridge, with 36-ft. clear span and wing walls, in Windsor Township, across Stoyer's Creek, and to be known as Kershner's Bridge. Bids are asked at the same time for erecting reinforced concrete arch bridge, to be known as the Temple Bridge, in Muhlenberg Township. (Advertised, Engineering News.)

OWINGS MILLS, MD.—The Western Maryland R. R. Co. has awarded contract to the PENNSYLVANIA STEEL CO., Girard Trust Bldg., Philadelphia, Pa., for erection of bridge across Reisterstown Turnpike at this place. J. Q. Barlow, at Baltimore, Md., is Ch. Engr.

WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 15, for constructing concrete-steel bridge across track of Baltimore & Ohio R. R., on line of Monroe St. extended, Anacostia, D. C. The bridge will have span of 17 ft. and will contain approximately 34 tons of steel and 1,000 cu. yds. of concrete. (Advertised, Engineering News.)

RICHMOND, VA.—James D. Crump, George B. Wilson, S. P. Jones and others have been appointed committee to organize company for rebuilding Mayo bridge connecting Richmond with Manchester. W. E. Cutshaw is City Engr.

GRANTSVILLE, W. VA.—The Grantsville Bridge Co., S. P. Bell, Secy., proposes constructing toll bridge across Little Kanawha River at Grantsville. Estimated cost, $18,000.

NEW IBERIA, LA.—The city government has authorized construction of wooden bridge across Bayou Teche at the east end of the City. The bridge is to be constructed by the parish and city jointly. Cost, $5,000.

PORT BARRE, LA.—Bids are asked until June 3 by the Bridge Committee, A. J. Muller, Chn., at Opelousas, for constructing highway drawbridge over Bayou Courtanieau at Port Barre. Ira W. Sylvester, at Alexandria, La., is Consult. Engr.

TORRAS, LA.—Bids are asked by N. P. Phillips, Pres. Police Jury, until June 3 for constructing steel bridges across Pontage, Poydras and Grosse Tete Bayous.

KINGSPORT, TENN.—The South & Western Ry. may construct two steel bridges across Holston River. M. J. Caples is Gen. Mgr. and Ch. Engr., at Johnson City, Tenn.

KNOXVILLE, TENN.—The NASHVILLE CARBON & OIL CO. and W. T. YOUNG-BRIDGE, of Nashville, Tenn., have been awarded contract for repairing and painting bridges. Estimated cost, $20,000. W. C. Crozer is City Engr.

DELAWARE, OHIO.—Bids are asked by the County Auditor until June 3 for furnishing material and constructing substructure of bridge on Sunbury and Cheshire Road over Little Walnut Creek.

JEFFERSON, OHIO.—Bids are asked by P. C. Remick, County Audr., until 1 p. m., June 17, for construction of the west abutment of bridge over Ashtabula River, on road from East Ashtabula to Plymouth. Material either stone or concrete.

WOOSTER, OHIO.—Bids are asked by the County Commissioners until June 10 for constructing iron span bridge, with concrete floor. Henry M. Knepp is County Engr.

SIDNEY, OHIO.—GEORGE FISHER has secured contracts for constructing Poplar St. bridge and substructure of bridge on West Ave., at $10,998 and $1,400, respectively.

CAMBRIDGE, OHIO.—The Commissioners have let contract for constructing substructure of bridge to be constructed over Walnut Creek, in Walnut Township, to W. H. MOWERY, at $4,531.

HAMILTON, OHIO.—Bids are asked by Christopher Pabst, County Audr., until 10 a. m., June 11, for constructing bridge on Reily and Bunker Hill Pike in Reily Township.

ELYRIA, OHIO.—JOHN BERG, of Oberlin, has secured contract for constructing Fourth St. bridge, and MacWARDELL, of Strasberg, has secured contract for constructing Broad St. bridge. Estimated cost, $100,000. L. W. Griffin is City Engr.

COLUMBUS, OHIO.—The County Commissioners have let contract for constructing bridge across Olentangy River at the waterworks to the COLUMBUS IRON & BRIDGE CO., for $3,634.

CINCINNATI, OHIO.—Bids are asked until June 7 by the County Commissioners, Fred. Dreihs, Clk., for constructing 5-ft. circular concrete culvert on Montgomery Pike, Sycamore Township; specification No. 598; repair of 8-mile bridge on New Richmond Pike, Anderson Township; specification No. 604.

Bids are asked by the County Commissioners until June 14 for repairing south abutment of bridge over Rapid Run, Delhi Township, specification No. 610; repair of west abutment of bridge over branch of Millcreek, Colerain Township, specification No. 611; building culvert on Camargo Pike, grading

and metaling part of the pike, and removing iron superstructure over Little Duck Creek, Columbia Township, specification No. 609; building culvert and making roadway at intersection of Bogart and Addison Roads, Anderson Township, specification No. 607; repair of arch culvert on Salem Pike, Anderson Township, specification No. 608.

CLEVELAND, OHIO.—Bids are asked by the Board of County Commissioners, Julius C. Dorn, Clk., until 11 a. m., June 8, for bridge work per report No. 1,554, concrete abutments; report No. 1,555, steel bridge, concrete floor, Brecksville Township. A. B. Lea is County Surv.

GREENVILLE, OHIO.—Bids are asked by the Board of Public Service until June 20 for construction of bridge, either steel or reinforced concrete, over Greenville Creek at Broadway St. Walter P. Rice Engineering Co., 722 Society of Savings Bldg., Cleveland, are Consult. Engrs.; Chas. S. Slade is City Engr.

FT. WAYNE, IND.—A bridge may be constructed over St. Mary's River at Clinton St. Estimated cost $12,000. F. Randall is City Engr.

COLUMBUS, IND.—Bids are being received by the County Commissioners for constructing bridge across Clifty Creek. W. H. Right is County Surv.

GRAND RAPIDS, MICH.—Bids are asked by the Board of Public Works, Samuel A. Freshney, Secy. and Gen. Mgr., until 8 p. m., June 20, for constructing superstructure of steel bridge across Grand River, at Ann St. The bridge will have four 150-ft. spans, roadway and two sidewalks. L. W. Anderson is City Engr. (Advertised, Engineering News.)

BOSCOBEL, WIS.—Bids are asked by C. D. Blanchard, Chn., until 10 a. m., June 1, for constructing stone bridge on Boscobel and Woodman Road.

DAVENPORT, IOWA.—Plans are reported to have been prepared by the Rock Island R. R. Co. for bridges to replace structures at Fifth and Main Sts. J. B. Berry, at Chicago, Ill., is Ch. Engr.

COLERAINE, MINN.—The Oliver Iron Mining Co. has let contract to DUCEY & CO., of Duluth, Minn., for erecting trestle near washing plant. When completed the trestle will be about 500 ft. long and 100 ft. high.

ATCHISON, KAN.—Bids are asked by the Board of County Commissioners, J. C. Hotham, Chn., until June 3, for constructing the following steel bridges: A 28-ft. bridge, between Lancaster and Benton Townships; 50-ft. bridge in Grasshopper Township; 40-ft. and 31-ft. bridges in Lancaster Township. L. S. Hereford is County Engr.

FT. SCOTT, KAN.—Bids are asked by the County Commissioners until noon, June 6, for constructing bridge and four stone arch culverts. C. E. Holstein is County Clk.

BRUNSWICK, MO.—Bids are asked until June 18 by the Special Road and Bridge Commissioners, L. H. Hering, Chn., at Keytesville, for furnishing material and constructing steel bridge, 700 ft. long, over Grand River at Brunswick. O. G. Dameron is County Surv., at Keytesville.

ROSENBERG, TEX.—Fort Bend County will vote July 25 on issuance of bonds, amounting to $30,000, for constructing steel bridge over Brazos River at Rosenberg, and $5,000 to be supplemented by an equal amount by Wharton County, for erecting bridge over Bernard River, west of Nudville.

DENVER, COLO.—Bids are asked by T. W. Jaycox, State Engr., until noon, June 1, for construction of reinforced concrete bridge near Woolhurst.

HOQUIAM, WASH.—The construction of steel bridge over Hoquiam River is contemplated. Estimated cost, $40,000.

WILLOW, CAL.—Bids are asked by the Board of County Supervisors, W. H. Sale, Clk., until 10 a. m., June 4, for constructing steel bridge across Grindstone Creek, on road leading from Elk Creek to Newville.

TORONTO, ONT.—Bids are asked by E. Coatsworth, Chn. Bd. of Control, until noon, July 16, for supplying and erecting steel railway bridges and hand-railing required for Landsdowne Ave. subway. C. H. Rust is City Engr. (Advertised, Engineering News.)

BELMONT, ONT.—County Engineer Belcher, at Peterboro, Ont., has recommended erection of steel bridge across North River.

LONDON, ONT.—Bids are asked until June 6 for erection of eight concrete and steel bridges for Middlesex County. Chas. Talbot is Engr., at London, Ont.

BUILDINGS.

NEW YORK, N. Y.—The following bids were received on May 27 by C. B. J. Snyder, Supt. School Bldgs., for the general construction, etc., of new public school No. 158, on Ashford St., Belmont Ave. and Warwick St., Boro. of Brooklyn: Thomas Cockerill & Son, 147 Columbus Ave., $339,150; John Kennedy & Son, 208 Broadway, $341,500; James McArthur, 22 Ormonde Pl., Brooklyn, $347,000; Arci Construction Co., 99 Broadway, Brooklyn, $339,450; Clarke & Stowe, 221 Greenpoint Ave., Brooklyn, $318,700; George Hilderbrand, 38 Park Row, $324,744; Patrick Gallagher, 1183 Broadway, $337,194; John Auer & Son, 957 Broadway, Brooklyn, $324,220.

Bids received at the same time for the general construction, etc., of additions to and alterations in public school No. 64, on Belmont Ave., Berriman and Atkins Sts., Boro. of Brooklyn: Patrick Gallagher, 1183 Broadway, $403,621; John Kennedy & Son, 208 Broadway, $388,600; Clarke & Stowe, 221 Greenpoint Ave., Brooklyn, $389,000; Peter J. Ryan, 314 West 44th St., $404,659.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 10, by C. B. J. Snyder, Supt. School Bldgs., for alterations, repairs, etc., for public schools Nos. 1, 2, 3, 4, 7, 9, 10, 11, 20, 25, 27, 31, 32, 34 and Morris High School, Boro. of the Bronx; for alterations, repairs, etc., for public schools Nos. 5, 9, 43, 166, 169, 170, 179, 186 and Wadleigh High School, Boro. of Manhattan; for improving the sanitary condition, etc., of public schools Nos. 1, 4, 7, 20, 44, 52, Boro. of Queens; for installing heating and ventilating apparatus for additions to and alterations in public school No. 23, on corner of Whitestone Ave. and State St., Flushing, Boro. of Queens.

Plans have been filed at the Bureau of Buildings for an 8-story fireproof studio building, with offices and bachelor apartments in the upper stories, to be built at Nos. 222 and 224 West 59th St., for the Gainsborough Studios, a corporation, of which August Franzen is Pres. It is to be 50 ft. front and 88 ft. deep, with a facade of brick trimmed with decorated marble, and having two series of large mullion bays extending from the first story to the roof and an ornamental central entrance. The building is to cost $300,000. Charles W. Buckham, 307 Fifth Ave., is Arch.

Bids are asked until noon, June 5, by J. A. Bensel, Comr. of Docks, for furnishing all the labor and materials required for preparing for and building between Whitehall and Broad Sts., East River, a new ferry-house for the new 39th St. ferry, Manhattan terminal.

NEW YORK, N. Y.—The general contract for construction of new public school No. 114, on James, Oak and Oliver Sts., Boro. of Manhattan, has been awarded by the Board of education to GEORGE HILDEBRAND, 38 Park Row, at $481,000. It is to be built of brick, stone and terra cotta, five stories high, 178 × 200 ft., and will contain 63 class rooms. Bids were received by C. B. J. Snyder, Supt. School Bldgs., on May 20.

The following bids were received May 27 by C. B. J. Snyder, Supt. School Bldgs., for installing heating and ventilating apparatus in new public school No. 150, on Christopher Ave. and Sackman St., about 100 ft. south of Belmont Ave., Boro. of Brooklyn: E. A. Sutter, $74,971; Frank Dobson, 319 East 53d St., $54,000; Blake & Williams, 211 West 20th St., $54,646; Baker, Smith & Co., 83 West Houston St., $56,250; William J. Olvaney, 177 Christopher St., $59,798; E. Rutzler & Co., 127 White St., $53,900.

ITHACA, N. Y.—Bids are asked until 3 p. m., July 1, by James Knox Taylor, Superv. Arch., for constructing, complete, U. S. post-office at Ithaca. (Advertised, Engineering News.)

BUFFALO, N. Y.—The Sisters of Mercy of the Roman Catholic Church have had plans prepared for a convent and school building to be erected at Abbott Road and Red Jacket Parkway, which will be three stories in height, of red brick, 237 × 250 ft. deep, with a wing 90 × 50 ft. Contracts will be let at once. Estimated cost, $200,000.

PHILADELPHIA, PA.—James G. Doak & Co. have been granted a permit to build a 6-story brick building for the Central Branch Y. M. C. A. on the lots numbering from 1417 to 1423 Arch St. The building will cover an area of 98.4 × 222.6 ft. It will cost about $650,000. Horace J. Trumbauer is Arch., Land Title Bldg.

PITTSBURG, PA.—C. Emile Muller, 411 Wood St., has prepared plans for a 6-story hospital building for the Homeopathic Hospital and Dispensary, 408 Second Ave. Estimated cost, $300,000.

WASHINGTON, D. C.—Bids are asked until 11 a. m., June 8, at the Bureau of Yards and Docks, Navy Dept., Washington, for making alterations and repairs at the Old Naval Hospital, Washington. Specifications are on file at the office of Engineering News, New York. R. C. Hollyday is Ch. of Bureau.

MACON, GA.—Bids are asked by James Knox Taylor, Superv. Arch., Washington, D. C., until 3 p. m., June 14, for installing an electric passenger elevator in the enlargement of the U. S. court-house, post-office, etc., at Macon. (Advertised, Engineering News.)

MOUNT VERNON, OHIO.—The State Tuberculosis Hospital Commission, Columbus, has awarded the contract for the initial buildings on the site recently purchased near Mount Vernon for this institution to the R. H. EVANS CO., of Zanesville, for $156,861. The architects' estimate on the work was $172,000.

PAINESVILLE, OHIO.—We are officially advised that GEORGE W. CARMICHAEL & CO., of Akron, have been awarded the contract for constructing the Lake County court-house and jail for $280,682. This contract includes all work, except elevators. J. Milton Dyer, Cuyahoga Bldg., Cleveland, is Arch.

INDIANAPOLIS, IND.—The Indiana Grand Lodge of Odd Fellows has decided to erect at once a 14-story building, to cost $540,000. The new hall will occupy the site recently occupied by the Grand Lodge.

INDIANAPOLIS, IND.—P. H. Fitzgerald has ordered plans for an apartment house on corner St. Clair and Meridian Sts. Bids will be received as soon as plans are completed. Estimated cost, $200,000. C. A. Wallingford is Arch., Central Trust Bldg., Indianapolis.

CHICAGO, ILL.—Egan & Prindeville, Archs., 85 Dearborn St., have let the following contracts for hospital addition, to be erected at 26th St. and Calumet Ave., for the Mercy Hospital, on premises: Masonry, FRANK BURKE, 167 Dearborn St.; carpenter work, E. HUDSON & SONS, 3201 Wabash Ave.; plumbing, M. J. CORBOY, 78 Dearborn St. The building will have four stories and will be 80 × 150 ft., built of brick and stone. Estimated cost, $250,000.

The German Hospital of Chicago, 754 Hamilton Court, is contemplating erection of a $200,000 addition to the institution at Larrabee St. and Grant Pl., the plans of which already have been prepared. The operating-room will be on the top floor, inclosed in glass. The building will have a frontage of 126 ft. on Grant Pl. and 78 ft. on Larrabee St. It will be six stories in height and of the Italian renaissance design. It will be of fireproof construction, with sanitary floors built over reinforced concrete. About 100 rooms, 16 × 12 ft. in dimension, have been provided for. These are to be arranged in suites, each containing a private bathroom. There will be a laundry, a kitchen, dining-rooms for nurses and internes, and a living-room and library for the physicians. The nurses' home is to be built adjacent to the hospital. Paul Gerhardt is Arch., 109 Rand St.

MINNEAPOLIS, MINN.—H. W. Jones, Arch., Lumber Exchange Bldg., is preparing plans for a 5-story store and office building, 132 × 157 ft., for J. W. Thomas & Co., 500 Nicollet Ave. Press brick, stone and steel, fireproofing, plate glass, hard plaster, gravel roof, structural iron and steel work, gas and electric fixtures, water closets, washstands, steam heat, will be used in construction. Cost, $200,000.

ST. LOUIS, MO.—A. B. Ridington, 620 Chestnut St., is preparing plans for a 3-story apartment building, to be erected on Laclede Ave. The structure will be built of brick, stone and terra cotta, with galvanized iron cornice, plate glass, marble and tile work, hard plaster, composition roof, architectural and structural iron and steel work, gas and electric fixtures, cabinet mantels, water closets, washstands, bath tubs, etc. Cost, $150,000.

The Ettrick Realty Co. is having plans prepared for erection of a large apartment house on the corner of Taylor and Laclede Aves. It is to be three stories high and the cost will be approximately $125,000.

KANSAS CITY, MO.—Plans have been filed, it is reported, for the Temple B'Nai Jehudah, which is to be erected at Linwood and Flora Sts., at a cost of about $125,000.

Frank S. Rea, Smith & Rea, Dwight Bldg., has submitted plans for improvements to county home which call for erection of main building, three stories high, 272 × 56 ft., with wing 136 × 36 ft.; dining-hall building, 88 × 64 ft., with seating capacity of 450, on second floor of which will be assembly room with seating capacity of 700; kitchen and bakery, 60 × 74 ft., separate building for negroes, three stories high, 46 × 100 ft. The structure will be constructed of rubble stone, and the estimated cost is between $200,000 and $220,000.

KANSAS CITY, MO.—The Gloyd Lumber Co. contemplates erecting the Montgomery Ward & Co. office building by day work. It will be nine stories high, 100 × 150 ft., brick, stone, steel and reinforced concrete construction, and will cost $350,000. J. W. McKecknie is Arch., New York Life Bldg.

A permit has been issued for the superstructure of the brick office building to be erected at the corner of Tenth and Main Sts., by V. H. Laederich. The building will be eight stories high with a front of 27.6 ft. on Main St. and 139.2 ft. on Tenth St. The cost of the structure will be $144,000.

LITTLE ROCK, ARK.—George R. Mann, Mann Bldg., Little Rock, is preparing plans for office building to be erected for H. A. Bowman, 111 West Sixth St. The building will be fireproof, having hot water heating, electric and gas lighting and electric elevators, and will cost $125,000.

SAN ANTONIO, TEX.—Bids are asked until 3 p. m., July 2, by James Knox Taylor, Superv. Arch., for extending, remodeling, etc., the U. S. court-house and post-office at San Antonio. (Advertised, Engineering News.)

The plans and specifications for the International & Great Northern R. R. Co.'s depot have been completed. Bids will be advertised for at once and the actual work of construction on the new building will begin within 90 days. Preparations are already being made for the vacation of the present quarters and the exact site of the new structure will be decided immediately. The depot will cost between $150,000 and $200,000. Leroy Trice, Palestine, Tex., is Gen. Mgr.

FORT WORTH, TEX.—Bids are asked by James Knox Taylor, Superv. Arch., until 3 p. m., July 8, for construction of an extension, remodeling, etc., including plumbing, gas piping, heating apparatus, electric conduits and wiring, of the U. S. post-office and court-house at Fort Worth.

HOUSTON, TEX.—C. E. Settegast, representing the Settegast heirs, has had plans prepared and will soon award contract for erecting a 7-story, 153 × 100 ft., to cost $175,000.

OKLAHOMA CITY, OKLA.—The Oklahoma City Electric Railway Terminal Association, recently incorporated by Guy McClure, Warren E. Moore and others, will expend about $1,000,000 in construction of interurban electric and street railway terminals, terminal station and office building, the latter to be 75 × 150 ft. and probably eight stories high. Train sheds with steel skeletons and glass roofs will also be erected.

Robert Galbreath, of Tulsa, Ind. T., and others, have purchased site on which to erect an 8-story steel and concrete office building. It is estimated that the cost will be between $250,000 and $300,000.

SEATTLE, WASH.—The Trustee Co., 702 Second St., will erect a building on the Pettock property to cost about $500,000. Steel frame structure will be used and the building will be fireproof throughout.

SAN FRANCISCO, CAL.—The new hospital to be built by the Southern Pacific Co. will cost $600,000. It will occupy the entire block bounded by Fell, Hayes, Baker and Lyon Sts., north of the entrance to Golden Gate Park. The building will be in the shape of the letter H, and will consist of an east and west wing, with the administration building in the center, four stories in height. Opposite the main building will be a structure 52 × 116 ft., four stories in height. Both structures will be of the same construction. The frame will be of reinforced concrete, with the exterior or screen wall of brick, having the exterior surface finished in marble white stucco. All partitions will be formed of steel studs with metal lath and plaster, and all finished floors will be in different patterns of unglazed ceramic tile, the only woodwork being the doors and windows. All plans for the work are being made in the office of J. H. W[illegible], Ch. Engr. of the Southern Pa[illegible] Co., and D. J. Patterson, Arch.

Plans have been prepared [illegible] & Coxhead, Archs., Laguna and [illegible] Coxhead Sts., for the first of the five buildings [illegible] erected in this city by the Home T[illegible] one Co. Work on the building, which w[illegible] located at Grant Ave. and Harlan Pl., [illegible] on Bush and Sutter Sts., is expected to [illegible] within a few weeks. The work of exc[illegible] for a second building, which will [illegible] located in Howard St., between Fourth a[illegible] 6th, will begin at the same time, but th[illegible] construction will not be commenced for som[illegible]. The building will be a Class A steel [illegible] structure, six stories in height, and [illegible] have a total frontage on the two stre[illegible] 192 ft.

Jacob Stern has applied to t[illegible] Board of Public Works for a permit to ere[illegible] 3-story Class A building on the corner [illegible] Hansome and Halleck Sts., at a cost of $[illegible].

SAN FRANCISCO, CAL.—Mu[illegible] Grant & Co. will reconstruct their sto[illegible] 4 office building at the corner of Bush [illegible] Sansome Sts. They have applied for a permit to do so. They will erect a 6-sto[illegible] Class A structure at a cost of $600,000.

Rebecca H. Head and others w[illegible] erect a 12-story Class A office building at [illegible] corner of Grant Ave. and Post St., to cost $400,000.

GLENDALE, CAL.—A. Dudley Mason Bldg., Los Angeles, is preparing plans for a 4-story fireproof hotel to be erected here at a cost of about $200,000.

MONTREAL, QUE.—Ross & McFarlane, Bank of Ottawa Bldg., Montreal, are preparing plans for a 2-story, 165 × 65 ft. brick and stone school to be erected on Westmount Ave. Cost, $125,000.

TORONTO, ONT.—Colonial Investment & Loan Co. is making preparations to build a 12-story office building on West King St., on the site at present occupied by the Nasmith Co., at a cost of $250,000.

WINNIPEG, MAN.—THE MAY-SHARPE CONSTRUCTION CO., Silvester-Willson Block, Winnipeg, have been awarded the contract for erection of the new Roblin Hall at the Manitoba Agricultural College. Cost, $106,000.

WATER SUPPLY—IRRIGATION.

SWANTON, VT.—The following bids were received May 22 by C. E. Allen, Village Pres., for (A) furnishing 51,500 ft. 10 and 12-in. wooden stave water pipe, gates, valves, etc., and (B) hauling, trenching and laying pipe, etc.: (A) Michigan Pipe Co., Bay City, Mich., $38,105, and Wycoff Supply Co., Elmira, N. Y., $42,649; (B) W. S. Ames, Saranac Lake, N. Y., $30,249. John L. Collins, 444 Broadway, Albany, N. Y., is Engr.

ALBANY, N. Y.—The Board of Contract and Supply has awarded to BABCOCK & WILCOX CO., 85 Liberty St., New York, contract for installing three boilers at the city filtration plant, for $14,000. Wallace Greenalch is Supt., Water Bureau.

LITTLE FALLS, N. Y.—Bids are asked by James G. Hazlett, City Clk., until May 31 for replacing about 11,500 ft. of vitrified pipe in the conduit line with c.-l. pipe. O. J. Dempster is City Engr.

NORTH COHOCTON, N. Y.—The question of constructing water-works is reported under consideration.

TRENTON, N. J.—All bids received May 22 by the Board of Water Commisioners for constructing stand-pipe and high service pumping station for improving the water service in the Hillcrest section were rejected. New bids will be received separately for constructing stand-pipe, buildings and pumping machinery. The stand-pipe will be of steel, 20 ft. in diameter and 80 ft. high, carrying the water level about 20 ft. above present level in the reservoir. The pumping plant will consist of building for installation of two pumps of 1,000,000 gallons capacity per day each. The pumps will be operated by gas engines. Abram Swan, Jr., is City Engr.

ATLANTIC CITY, N. J.—Specifications and bidding sheets for furnishing and installing 12,000,000-gallon pumping engine at Absecon Pumping Station, as advertised, are on file at office of Engineering News, New York. The date for receiving bids has been extended by the Board of Water Commissioners from June 4 to June 11. L. V. Gilder is Engr. and Supt.

ORANGE, N. J.—Bids are asked by the Common Council until 8 p. m., June 3, for constructing brick building at pumping plant at Chestnut pumping station. Willett B. Gano is City Clk.; Fred. T. Crane is City Engr.

EASTON, PA.—The South Easton Water Co. has let contract to T. M. LESHER for laying 3,000 ft. of pipe in various streets.

PHILADELPHIA, PA.—W. N. LINDSAY & CO. have secured contract for constructing 1-story filter house, 51 × 60 ft., for Dill & Collins Co., on Tioga St., east of Richmond, to cost $13,900.

READING, PA.—The Water Board, May 21, let contract to JOHN F. ALBRECHT for laying 24-in. main from present terminus on Centre Turnpike to Bernhart reservoir, for $7,800. Emil L. Nuebling is Supt. and Engr., Water Dept.

Bids will soon be asked for constructing duplicate line of 36-in. pipe along the same territory.

The READING ENGINEERING WORKS, John H. Seibert, Pres., have been awarded contract by the Wyomissing Spring Water Co., David Keiser, Treas., for constructing pumping plant having capacity of 200,000 gallons per day.

WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 15, for furnishing brass stop cocks and lead flange couplings. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 15, for furnishing covers for water meter boxes. (Advertised, Engineering News.)

ROCKINGHAM, N. C.—The city will install water-works and sewerage systems, for which bonds amounting to $40,000 have been voted. W. N. Everett is Mayor, T. C. Leak is Chn. Finance Com., and Wm. Entwistle is Chn. Water-Works Com.

AUGUSTA, GA.—The city contemplates increasing water supply by constructing additional reservoir and pipe line from basins to city. W. H. Getsbell is City Engr.

MADISON, GA.—Bids are asked until June 6 for constructing water-works and sewerage system and improving electric light plant. C. E. W. Butler is Mayor.

COLUMBUS, MISS.—Contract for laying 2½ miles 6- and 8-in. water mains has been let to C. M. BURKHALTER, Birmingham, Ala. E. Donnell is Mayor; Kirkpatrick & Johnson, of Jackson, are Engrs.

EUNICE, LA.—Bids are asked by the Mayor and Board of Aldermen until July 15 for construction of system of water-works. O. E. Vidrine is Mayor; Ira W. Sylvester, of Alexandria, is Engr.

ERIN, TENN.—The town has granted franchise to Eric Rouscher, G. B. Sullenger and J. C. Hobbs to establish a system of water-works.

AKRON, OHIO.—The water mains will probably soon be extended on Payne and Newberry Sts. J. W. Payne is City C. E.

WAUSEON, OHIO.—Bids are asked by Board of Trustees of Public Affairs, E. H. Harrison, Secy., until noon, May 31, for constructing service reservoir of about 102,000 gallons capacity.

LOGANSPORT, IND.—Bids are asked by A. Clinton Davisson, Comr. of Constr. of the James Gault drain, at office of Myers & Yarlott, 212 Fourth St., Logansport, until 11 a. m., June 11, for constructing James Gault drain in two sections. (Advertised, Engineering News.)

MARION, IND.—E. A. MILLIKAN has been let contract for laying 10-in. water main on portions of Race and Nelson Sts., at 21 cts. per lin. ft. T. E. Petrie is City Engr.

GLADSTONE, MICH.—Bids are asked by the Board of Fire and Water Commissioners, W. A. Narracong, Secy., until 5 p. m., June 6, for laying 2,850 ft. 2-in. and 500 ft. 1-in. water mains.

MANCELONA, MICH.—Bids are asked by the Water-Works Committee until June 1 for laying 4-in. water main in Railroad St. D. A. Line is Clk.

VIOLA, WIS.—Bids will soon be received for constructing water-works. Estimated cost, $10,000. W. G. Kirchoffer, of Madison, Wis., is Engr.

GAYS MILLS, WIS.—Bids will soon be received for constructing water-works. Estimated cost, $10,000. W. G. Kirchoffer, of Madison, Wis., is Engr.

WEST BEND, WIS.—Bids will be received about June 20 for construction of water-works plant, including c.-i. pipe, hydrants, valves, laying pipe, steel tank and tower, gas engine and producer, deep well triplex pump and power-house. W. G. Kirchoffer, of Madison, Wis., is Engr.

MARSHALLTOWN, IOWA.—Bids are asked until June 10 at the office of F. G. Dunahugh, County Audr. of Story County at Nevada, and by Erastus Cornell, Audr. of Marshall County at Marshalltown, for construction of ditch or drain, partly in Marshall County, and partly in Story County, to be known as the Marshall-Story Drainage Dist. No. 1.

IOWA FALLS, IOWA.—Bids are asked by F. E. Foster, City Clk., until 7 p. m., June 3, for laying approximately 3,142 ft. 4 and 6-in. water main.

HAMPTON, IOWA.—See under Light and Power Plants.

BROWERVILLE, MINN.—Bids are asked until 4 p. m., June 5, for constructing water-works. Joseph E. Santerre is Village Recorder; W. D. Lovell, Minneapolis, Minn., is Engr.

BELLE FOURCHE, S. DAK.—The Secretary of the Interior has awarded contracts as follows for work on the Belle Fourche Irrigation Project, S. Dak.: J. W. McNEEL, North Platte, Neb., about 19 miles of laterals, $52,907; COLE BROS., Orman, S. Dak., 2½ miles of lateral ditch, $12,700; GEO. A. LANE, Gustave, S. Dak., ten miles of laterals, $7,000.

PARKER, S. DAK.—Bids are asked by the Board of County Commissioners until 9 a. m., June 11, for construction of the Apland, Steadman and Mears ditches. E. W. Browne is County Audr.

HARVEY, N. DAK.—Bids are asked until July 1 for constructing water-works. The work consists of stand-pipe, 18 × 75 ft.; 95-ft. steel tower, 60,000-gallon tank, foundations, c.-i. pipe and specials, water gates, hydrants and water mains. Lykken & Robinson, Grand Forks, N. Dak., are Engrs.

BILLINGS, MONT.—The Secretary of the Interior has let contract to McGUFFEY & BLOOD, Cody, Wyo., at $61,784, for construction and completion of about 13½ miles of the Garland Canal, and 5.4 miles of laterals, Shoshone Irrigation Project, Wyo. The work involves excavation of 203,000 cu. yds. of material and 154,000 cu. yds. of overhaul.

The Secretary of the Interior has let contract to CHARLES E. CREPEAU, of Fort Benton, Mont., at $25,310, for construction of 39 miles of laterals, including twelve miles of sub-laterals and 17 miles of waste-water ditches in connection with the Sun River Irrigation Project, Mont. The work involves the excavation of 75,000 cu. yds. of material and 2,600 cu. yds. of overhaul.

FORT SHAW, MONT.—The Secretary of the Interior has let contract to BAILEY & DUPEE, of Great Falls, Mont., at $19,720, for construction of about 24 miles of lateral ditches, including nine miles of sub-laterals, in connection with Fort Shaw Unit of the Sun River Irrigation Project, Mont. The work involves the excavation of 75,000 cu. yds. of material and 16,000 cu. yds. of overhaul.

DALLAS, TEX.—The Texas Co. has awarded contract for constructing two additional pump houses to the SOUTHWESTERN BRIDGE CO., of Joplin, Mo.

CLINTON, OKLA.—Bids are asked by the Mayor and City Council until June 10, for furnishing boilers, pumps, heater, valves, hydrants, tank and tower and pipe required in constructing complete water-works system. The O'Neil Engineering Co., 845 Wilson Bldg., Dallas, Tex., are Engrs. (Advertised, Engineering News.)

FT. BAYARD, N. MEX.—Bids are asked by Capt. S. P. Vestal, Q. M., until 11 a. m., June 1, for erecting 300,000-gallon steel water tank and trestle at this post.

PORTLAND, ORE.—Bids are asked by the city until June 12 for furnishing f. o. b. cars at Portland, 105 gate valves 4 to 20-in., 190 sleeves and valves 4 to 24-in., 200 fire hydrants and one 40-HP. Pelton water-wheel with plunger pump. D. D. Clark is Engr., Water Board.

SACRAMENTO, CAL.—Competitive plans and specifications for constructing filtration plant are asked by M. J. Desmond, Clk. Bd. of City Trustees, until 8 p. m., Aug. 19. (Advertised, Engineering News.)

SANFORD, MAN.—Bids are asked by C. E. Millican, C. E., 428 Main St., Winnipeg, Man., until May 31 for ditching in Macdonald Municipality.

SEWERAGE.

ALLENSTOWN (Suncook post-office), N. H.—Bids are asked by F. E. Blodgett, Secy. Sewer Com., until noon, June 18, for constructing portion of sewerage system. The work consists of approximately 6,100 lin. ft. 10 to 22-in. pipe sewers, 16 manholes and 16 catch-basins. Frank A. Gay, 852 Elm St., Manchester, N. H., is Engr. (Advertised, Engineering News).

GARDNER, MASS.—The Board of Sewer Commissioners have let contract for constructing about 1½ miles of sewers on various streets to FRANK L. ALLEN, of Worcester, at $12,211.

BRISTOL, CONN.—The Board of Wardens and Burgesses has let contract to MARTIN PIERSON for constructing 625 ft. of 8-in. sewers on portion of South St. FRANK GRIFFITH has secured contract for constructing 1,325 ft. 8-in. sewer on portions of Pound and Summit Sts.

NEW HAVEN, CONN.—DWYER & MANNIX have secured contract for constructing sewer in portion of Cold Spring St. at $11,130. C. W. Kelly is City Engr.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 6, by Joseph Bermel, Pres. Boro. of Queens, for constructing sewer and appurtenances in 14th Ave., from Broadway to Newtown Road, First Ward.

ALBANY, N. Y.—The Board of Contract and Supply has awarded to JOHN DOYLE, Albany, the contract for laying vitrified pipe sewers under the carriageways of Lancaster and Park Sts., for $13,342, this being the only bid received May 20th. Walter Melius is City Engr.

ALBANY, N. Y.—See under Streets and Roads.

BINGHAMTON, N. Y.—Contract for construction of the Fourth Ward trunk sewer has been awarded to FLANNIGAN & SONS, of Scranton, Pa., at $67,995. S. M. Baird is City Engr.

BUFFALO, N. Y.—Bids are asked until June 6 by F. G. Ward, Comr. Pub. Wks., for constructing tile sewers as follows: 12, 15 and 18-in. on Gibson St.; 18, 15 and 10-in. on Heath St.; 18, 14, 12 and 10-in. on Englewood Ave., and 20, 18, 15, 12 and 10-in. on Merrimac St.

GREENSBURG, PA.—Bids are asked by the Borough Council, Edward A. Cremer, Clk., until 8 p. m., June 3, for constructing 12-in. pipe sewers in portions of Locust, Vine, Steck and Truby Sts. Warren Mitchell is Engr.

HALLSTEAD, PA.—FLANNIGAN & SONS, Scranton, Pa., have been awarded the contract, at $5,200, for constructing sewer.

FOREST CITY, PA.—Bids are asked by the Borough Council, Wm. J. McLaughlin, Pres., until 8 p. m., June 10, for constructing sewers. The work consists of approximately 1,000 ft. 24-in., 3,900 ft. 15-in., 1,550 ft. 12-in., 1,950 ft. 10-in. and 2,100 ft. 8-in. terra-cotta pipe and 35 manholes. F. J. Howell & Co., at Carbondale, Pa., are Engrs. (Advertised, Engineering News).

WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 17, for constructing junction section of trunk sewers. (Advertised, Engineering News).

Bids were received May 27 by the District Commissioners for construction of the eastside intercepting sewer as follows: (a) grading; (b) embankments; (c) sewer brick masonry; (d) vitrified brick masonry; (e) concrete masonry "D"; (f) piling, per linear ft.: Lyons Bros., Washington, (a), 99 cts.; (b) 65 cts.; (c) $7; (d) $22; (e) $8.75; (f) 20 cts. E. G. Gummel, Eckington, D. C., (a) $1; (b) 75 cts.; (c) $19; (d) $23; (e) $10; (f) 30 cts. WARREN F. BRENIZER CO., Washington (awarded contract), (a) 60 cts.; (b) 80 cts.; (c) $15; (d) $25; (e) $10; (f) 35 cts. E. J. Cartwright, Fredericksburg, Va., (a) 90 cts.; (b) 60 cts.; (c) $16; (d) $20; (e) $8; (f) 15 cts.

HARTSVILLE, S. C.—The contracts for construction of water-works and sewerage system have been let and work will commence not later than July 1. ABEE & EDWARDS, of Hickory, N. C., received contract for constructing sewerage system, and the McCOY ENGINEER CO., of Baltimore, contract for the construction of water-works. Charles C. Wilson, Columbia, S. C., is Consult. Engr.

MADISON, GA.—See under Water Supply—Irrigation.

JASPER, ALA.—A sewerage system will probably be constructed. Estimated cost, $15,000.

ENSLEY, ALA.—A sanitary and storm sewerage system will probably be constructed. Estimated cost, $55,000.

CHAGRIN FALLS, OHIO.—C. S. LAMBIE & CO., Pittsburg, Pa., have secured contract for construction of sewers. Cost, $25,000.

LIMA, OHIO.—J. B. LOMISON has been awarded the contract for construction of 15-in. vitrified-tile sewer, to be put in at Solarville as an outlet for drainage from the new steel castings plant. The Andrews Asphalt Paving Co., of Hamilton, has the contract for paving on Elizabeth St., at $4.97 per foot front. J. K. Brice is Ch. Engr., Pub. Service Dept.

YOUNGSTOWN, OHIO.—Bids are asked until June 6 by the Board of Public Service, W. H. Millin, Clk., for furnishing material and constructing sewer in portion of McKinnie St. F. M. Lillie is City Engr.

NEWARK, OHIO.—Bids are asked by the Board of Public Service, Lincoln B. Munch, Clk., until noon, June 6, for furnishing material and constructing 10-in. sanitary tile and drainage sewer on portion of North Tenth St. C. H. Wells is City Engr.

CINCINNATI, OHIO.—Bids are asked by the Board of Public Works, M. J. Keefe, Clk., until noon, June 3, for constructing sewers and drains in Symmes St. Charles N. Dannenhower is Ch. Engr. Bd. Pub. Service.

GREENFIELD, IND.—Bids are being received by Oscar O. Beaver, City Clk., for construction of sewers in North and Sixth Sts.

INDIANAPOLIS, IND.—Bids will soon be asked by the Board of Public Works for constructing sewer 9,855 ft. in length in Missouri St. Blaine H. Miller is City Engr.

RICHMOND, IND.—Bids are asked by the Board of Public Works until June 5 for construction of sewerage system four miles in length and disposal plant. Fred R. Charles is City Engr. C. W. Merrill, W. P. O'Neal and B. B. Johnson are Bd. of Pub. Wks.

EAST CHICAGO, IND.—Bids are asked until June 5 by the Common Council for constructing 18-in. vitrified tile main sewer in portion of Block Ave. Oscar P. Goerg is City Clk.

HOUGHTON, MICH.—Bids are asked by the Common Council until 8 p. m., June 3, for constructing sewer system for West Houghton. The work consists of approximately the following quantities: 125 ft. brick sewer, including bulkheads; 580 ft. 18-in., 1,635 ft. 15-in., 1,761 ft. 12-in., 2,474 ft. 10-in. and 160 ft. 8-in. tile pipe sewer, with all necessary junctions; 48 manholes and 37 catch-basins. Casper Brand is Village Clk. G. L. Clausin is Engr.

OAK PARK, ILL.—Bids are asked by the Board of Local Improvements, B. C. Brandstadt, Secy., until 4 p. m., June 4, for constructing sewer in Clinton Ave. The work consists of 6,100 lin. ft. 12-in. double strength pipe sewer; 271 6-in. "Y" junctions; 42 10-ft. manholes and 46 iron 7-ft. catch-basins, including 15-ft. 9-in. sewer pipe connections. (Advertised, Engineering News).

CHICAGO, ILL.—The Board of Local Improvements is reported to have decided to construct sewer system in the district between 31st and 37th Sts. and South Central Park and Sacramento Aves. Cost, $370,000.

The Drainage Board is reported to have passed an ordinance providing for construction of 9-ft. sewer in West 52d Ave., from 39th St. to the drainage canal, for the relief of Cicero Township. Cost, $40,000.

WINNETKA, ILL.—E. A. BARBER & SON, of Melrose Park, Ill., have secured contract for constructing storm sewer No. 129 at the following bid: 8,875 ft. 10-in. sewer, 7 ft. deep, 40 cts.; 2,400 ft. 12-in., 6 ft. deep, 68 cts.; 700 ft. 15-in., 8 ft. 3 in. deep, 85 cts.; 340 ft. 18-in., 8 ft. 7 in. deep, $1; 1,833 ft. 24-in., 8 ft. deep, $1.45; 950 ft. 3 ft. × 4 ft. concrete, 6 ft. 5 in. deep, $4; 1,320 ft. 3 × 5 ft. concrete, 5 ft. deep, $4; 63 catch-basins, complete, each $24; 43 manholes, complete, each $24; 520 6-in. junctions, each 40 cts.; 80 6-in. slants, each 40 cts.; 6 cu. yds. concrete, $7; 152 ft. of box culvert, $1; 440 ft. of box drain, 90 cts.; 500 cu. yds. excavation, 30 cts., and 100 ft. of 4-in. water pipe, lowered, 20 cts.; total, $21,399. Totals of other bids: A. C. Schreiter & Co., Manitowoc, Wis., $23,580, and Andrew Thomson, Racine, Wis., $24,941. Frank A. Windes is Village Engr.

LAKEMILLS, WIS.—Plans and specifications are being prepared by W. G. Kirchoffer, Madison, Wis., for constructing sewerage system and disposal plant. Bids will probably be received in July or August.

NORTH MILWAUKEE, WIS.—Plans and specifications for constructing sewerage system and disposal plant are being prepared by W. G. Kirchoffer, Madison, Wis. Bids will probably be received in July or August.

SOUTH MILWAUKEE, WIS.—Bids are asked by Wm. G. O'Neill, City Clk., until 8 p. m., June 4 for constructing pipe sewer in portion of South Chicago Ave.

STAPLES, MINN.—O. F. DOYLE, of St. Cloud, has secured contract for constructing sewers, for $24,100.

MILROY, MINN.—Bids are asked by the Village Council until June 3 for constructing sewer. C. M. Wilson is Recorder.

KEARNEY, NEB.—Bids are asked by Geo. E. Ford, City Clk., until June 3, for constructing sewer in Ave. E.

VALLEY CITY, N. DAK.—Bids are asked by the City Council until 8 p. m., June 3, for constructing 10-in. sewer in various streets. H. F. Halverson is City Audr.

ST. LOUIS, MO.—The following contracts were awarded May 21 by the Sewer Commissioners for constructing sewer extensions: Seventh St., COONEY CONSTRUCTION CO., $40,754; Arsenal St., JOHN H. BEK, $12,830; Rocky Branch, ROBERT WYCOFF, $5,591. Charles M. Talbert is C. E., Bd. Pub. Impvts.

GREENVILLE, TEX.—JOHN W. MAXCY, City Engr., Houston, Tex., has secured contract to construct sanitary system of drainage, sewers, etc.

KELSO, WASH.—Bids are asked by V. L. Hubbell, Town Clk., until June 3 for construction of 8,000 ft. of sewer.

SPOKANE, WASH.—The Board of Public Works has awarded to AUG. ILSE contract for construction of trunk sewers in First Ward, at $97,178. Charles McIntyre is City Engr.

ASHLAND, ORE.—E. E. PHIPPS has been awarded contract for constructing sewers in Districts No. 7, 8 and 9, at $7,085.

BATTLEFORD, SASK.—The MUNICIPAL CONSTRUCTION CO., of Regina, Sask., has secured contract for constructing sewerage and water-works system. Cost, $50,000.

GARBAGE DISPOSAL.

WAVERLY, N. Y.—The Village Trustees are taking estimates on the cost of a disposal plant. It is estimated that the improvement will cost $113,000. Williams & Whitcomb are preparing plans.

NEW YORK, N. Y.—Bids are asked until 3 p. m., June 13, by the Park Board, for furnishing and delivering four street sweepers and one road scraper at Prospect Park, Boro. of Brooklyn. Moses Herrman is Pres.

WHITE PLAINS, N. Y.—The Legislature has passed a bill authorizing the Trustees of the village of White Plains to raise a sum not to exceed $30,000 for the purpose of providing funds to erect and equip a garbage incineration plant.

WASHINGTON, D. C.—Bids were received May 25, at the office of the District Commissioners, for the construction of a municipal crematorium on the Washington Asylum grounds, as follows: W. E. Mooney, Washington, $22,789, $19,997; Pavarini & Wyne, Munsey Building, Washington, $17,500, $16,000; Jos. H. Gibbons, Washington, $19,773, $18,023.

YOUNGSTOWN, OHIO.—Bids are asked by the Board of Health, Clate A. Smith, Secy., until noon, June 29, for collection, removal and disposal of garbage for a period of five years. (Advertised, Engineering News).

STREETS AND ROADS.

NEW BEDFORD, MASS.—We have been officially informed that WARREN BROS. CO., 93 Federal St., Boston, has received a contract for 7,000 sq. yds. of bitulithic.

PROVIDENCE, R. I.—Bids are asked by the State Board of Public Roads until noon, June 12, for constructing roads.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 6, by Joseph Bermel, Pres. Boro. of Queens, for regulating, grading, paving and constructing sidewalks on various streets in the Borough of Queens.

NEW YORK, N. Y.—Bids are asked until 3 p. m., June 6, by the Park Board for furnishing and delivering 25,000 cu. yds. of mould where required on Parks in the Boro. of Manhattan, and repairing asphalt roadway pavements where directed in the Boro. of Manhattan. Moses Herrman is Pres.

The following bids were received on May 27 by J. A. Bensel, Comr. of Docks and Ferries: For curbing and flagging and for laying granite pavement, with crosswalks, within the area of the marginal street on the Chelsea section, between Bloomfield and West Fifteenth St., North River. Michael J. Fitzgerald, 448 Cherry St., $52,405; John M. Sheehan, 1123 Broadway, $54,916; Matthew Baird Contracting Co., 433 East 92d St., $59,612; Atlanta Contracting Co., 438 East 91st St., $61,400; John E. Quinn, Brooklyn, $67,600.

AUBURN, N. Y.—We are officially advised that the following bids were received May 21 for paving Genesee St., Auburn, with asphalt, brick and Medina block, (a) with Auburn gray limestone curbing, (b) with Medina sandstone curbing, (c) with Berea sandstone curbing. Brayer Bros., (a) $65,804, (b) $64,844, (c) $64,244; Warner Quinlan Asphalt Co., 42 Broadway, New York, (a) $66,042, (b) $64,962, (c) $64,482. J. Walter Ackerman is City Engr.

ALBANY, N. Y.—The bids received by the Board of Contract and Supply, Albany, on May 20, for resurfacing with sheet asphalt Woodlawn Ave., from Lake Ave. to Partridge St., North Pine Ave., from Western to Washington Aves., and North Allen St. from Western to Central Aves., were: Barber Asphalt Paving Co., 114 Liberty St., New York, $68,227; North Hudson Contracting Co., Troy, $61,826. The bid of the Union Paving Co., Schenectady, was declared to be informal and was not considered. The contract was awarded to NORTH HUDSON CONTRACTING COMPANY, Troy, for $61,826.

ALBANY, N. Y.—Bids are asked by the Board of Contract and Supply, Albany, until 3 p. m., June 3, for improvement of Morris St. from west line of Ontario St. to east line of Partridge St., the work including grading, curbing and paving the carriageway with vitrified paving blocks, repairing and laying sidewalks with flags and vitrified bricks, building receiving basins and laying vitrified pipe sewers under the sidewalks. Also, for laying a vitrified pipe sewer under the west sidewalk of North Lake Ave., with necessary bends, branches, house connections, manholes and other appurtenances. Isidore Wachsman is Clk. of the Board; Walter Melius is City Engr.

The bids received on May 20 by the Board of Contract and Supply, Albany, for improvement of Congress St., from Capitol Pl. to Swan St., were: Edward F. Dillon, Albany, $6,190; Mulderry Bros., Albany, $6,038. Contract was awarded to MULDERRY BROS. The itemized prices of the low bid were: 920 sq. yds. brick paving, $23; 70 sq. yds. driveways, $2.45; 30 sq. yds. re-

laying pavement, 60 cts.; 575 lin. ft. straight curb, 98 cts.; 70 lin. ft. circular curb, $1.45; 40 lin. ft. relaying curb, 30 cts.; 1,800 sq. ft. flag walk, 25 cts.; 3,460 sq. ft. brick walk, 15 cts.; 1,250 sq. ft. relaying walk, 9 cts.; 475 lin. ft. 12-in. pipe, $1.77; 200 lin. ft. 6-in. pipe, 85 cts.; 25 Y branches, $4.20; 25 6-in. bends, 90 cts.; ten 6-in. reducers, 95 cts.; six water services, $34; three manholes, $58; two receiving basins, $98.

Also, following bids were received for the improvement of North Hawk St., from Clinton Ave. to First St.: M. F. Dollard, Albany, $3,460; E. F. Dillon, Albany, $3,725; Mulderry Bros., Albany, $3,612. Contract was awarded to M. F. DOLLARD. Isidore Wachsman is Clk. of Bd.; Walter Mellus is City Engr.

TUCKAHOE, N. Y.—Bids are asked until 8 p. m., June 3, by the Board of Trustees of the Village of Tuckahoe, for regulating and grading certain streets of this village. William Rubly is Pres. Bd. of Trustees; Thomas J. McCarthy is Village Clk. (Advertised, Engineering News.)

BRIDGEPORT, PA.—We are officially advised that FRANK DONATELLI & CO., 4753 Laurel Ave., Pittsburg, have been awarded contract of grading, paving, curbing and sewering of different streets in the Boro. of Bridgeport, at $36,000. N. A. Pacella is Secy.

ERIE, PA.—MAYER BROS., Buffalo, N. Y., have been awarded contracts for paving Chestnut and Cherry Sts. with asphalt. Their bid was as follows: $1.69 per sq. yd. for paving, 60 cts. for natural stone curbing and 50 cts. for concrete curbing; 90 cts. for 6-in. pipe.

DUQUESNE, PA. — SPERING & DE MARS, Duquesne, Pa., have been awarded contract for paving South Sixth St., and ERBECK BROS., Duquesne, Pa., awarded contract for grading, curbing and paving South Second and Cochran Sts.

WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 8, for grading 16th St. extended, N. W. (Advertised, Engineering News.)

COLUMBUS, GA.—We are officially advised that the SOUTHERN BITULITHIC CO., of Nashville, Tenn., has secured a contract for 18,240 sq. yds. of bitulithic pavement.

ELBERTON, GA.—We are officially advised that the town of Elberton will advertise within 30 days for bids on about 10,000 to 15,000 sq. yds. of vitrified brick paving. H. S. Jaudon, Thomasville, Ga., is Engr.

JACKSONVILLE, FLA.—Bids are asked until June 5 by the Board County Commissioners for constructing a road from South Jacksonville to Atlantic Beach, about twelve miles. Bids to include the computed clearing, grubbing and grading. Roland Woodward is Engr., Board of Trade Bldg. C. Benedict is Chn.

NATCHEZ, MISS.—A contract for 27,500 sq. yds. of bitulithic has been awarded the SOUTHERN BITULITHIC CO., of Nashville, Tenn.

VICKSBURG, MISS.—The City Council has passed resolutions to pave Washington St., from Harris St. to the city limits, about ⅝ miles, and to lay about ¾ miles of sidewalks on same street. A petition to pave Walnut has been filed and will be acted upon at once. B. W. Griffith is Mayor.

LOUISVILLE, KY.—Bids are asked by the Board of Public Works until June 7 for grading, curbing and paving ten streets with vitrified block. Work includes 13,000 cu. yds. of excavation, 8,300 lin. ft. of limestone curbing and 14,500 sq. yds. of vitrified block paving. Estimated cost, $34,500. J. P. Claybrook is Ch. Engr., Dept. of Pub. Wks.

CALDWELL, OHIO.—Bids are asked until noon, June 14, for 61,900 sq. yds. street paving. (Advertised, Engineering News.)

INDIANAPOLIS, IND.—The Board of Public Works has ordered plans and specifications and will ask for bids soon for the following street improvements: Paving East Washington St. six blocks with brick; Senate Ave., nine squares with brick; Pennsylvania St., four blocks with asphalt; North St., five blocks with creosoted wooden blocks; North Meridian St., four blocks with asphalt, and for the paving of portions of State Ave., Market St. and the alley west of Arsenal Ave., with brick. Jos. T. Elliott is Chn.

WINCHESTER, IND.—The MOELLERING CONSTRUCTION CO., of Fort Wayne, has secured the contract for paving Meridian, Main, Franklin and Washington Sts., about 18,715 sq. yds. brick pavement, on 5-in. concrete foundation, cement grout fill, for $39,875. R. H. Crandall is City Engr.

CONNERSVILLE, IND.—Bids are asked until June 4 by Jacob S. Clouds, City Clk., for constructing 2,100 ft. combined curb and gutter.

FORT WAYNE, IND.—Bids are asked by George W. Lindemuth, Audr. of Allen County, for construction of twelve miles of macadamized road in Allen County.

PRINCETON, IND.—Bids are asked by the Commissioners of Gibson County for construction of 9,500 ft. of macadamized road in Gibson County. H. R. Embree is County Audr.

CRAWFORDSVILLE, IND.—CLEMENTS & CLEMENTS, of this city, have been awarded contract for construction of 49,000 sq. ft. of cement sidewalks in Ladoga.

GARY, IND.—Bids are asked by the Board of Trustees, C. O. Holmes, Clk., until 2 p. m., June 8, for improving roadway. (Advertised, Engineering News.)

OAK PARK, ILL.—Bids are asked by the Board of Local Improvements, B. C. Brandstadt, Secy., until 4 p. m. June 4, for paving, curbing, etc., portions of Oak Park Ave. and Erie St. See advertisement for approximate quantities of work. (Advertised, Engineering News.)

CEDAR FALLS, IOWA.—Bids are asked until 7.30 p. m., June 10, by the City Council, for about 16,000 sq. yds. of brick paving. C. H. Streeter is City Engr.; C. M. Overman is City Clk.

HUTCHINSON, KAN.—We are officially informed that the KANSAS BITULITHIC CO., of Kansas City, Mo., has secured a contract for 28,120 sq. yds. of bitulithic pavement.

SEATTLE, WASH.—Bids are asked until June 1, 1907, by Mr. C. B. Bagley, Secy. Board of Public Works, for the improvement of Queen Anne Ave., etc., by paving with asphalt, and for the improvement of Tenth Ave., North, by paving with asphalt. Estimated cost, Queen Anne Ave., $453,500; Tenth Ave. North, $144,000. Notice to contractors containing approximate quantities of materials, etc., are on file at the office of Engineering News, New York. R. H. Thomson is City Engr.

TORONTO, ONT.—We are officially advised that contract for 16,168 sq. yds. of Acme asphalt paving has been awarded the WARREN BITUMINOUS PAVING CO.

WINNIPEG, MAN.—The Winnipeg Board of Works has decided to lay asphalt on Dufferin Ave., from Main to Parr Sts. Estimated cost, $102,328. H. N. Ruttan is City Engr.

VANCOUVER, B. C.—The Board of Works has awarded the contract for paving Granville, Cambrie, Carroll and Cordova Sts. to the BARBER ASPHALT PAVING CO., 114 Liberty St., New York, at $47,670.

MANUFACTURING PLANTS.

FOXCROFT, ME.—We are officially advised that Mayo & Sons have awarded contract to WALTER L. BROWN, of Foxcroft, to erect an engine house to have reinforced concrete walls.

MANCHESTER, N. H.—An addition will be built to the Griffin & Coggswell shoe factory in East Manchester soon, which will have a capacity of 125 dozen pairs of shoes daily.

LYNN, MASS.—Joseph E. Knox & Co., 461 Union St., have let contract to DEARBORN BROS. & CO., 459 Union St., Lynn, to build a 1-story concrete shop, 50 × 50 ft., for blacksmith shop and for making cutting dies.

TURNERS FALLS, MASS. — THOMAS BROS. have the contract for building an addition 60 × 100 ft. and five stories high to the Esleeck mill. The addition will be used for finishing and storage.

HOLYOKE, MASS.—The Directors of the Lyman Mills Corporation are planning erection of a new 5-story mill in the vacant lot east of the first level canal and adjacent to the Whiting No. 2 mill. The structure will be 250 ft. long by 150 ft. wide, and it is estimated will furnish employment to about 500 operatives. The cost of the new building is estimated to be about $150,000.

JERSEY CITY, N. J.—Plans for the new 1-story brick factory which E. H. Kluge Weaving Co., of No. 1267 Broadway, New York, will erect at the corner of Madison and Twelfth Sts., West New York, have been completed by F. W. Wentworth, Arch., 100 Broadway, New York.

NEWARK, N. J.—Contract for constructing addition to grain drying plant on Badger Ave., Newark, N. J., has been awarded to WINTERBOTTOM & VAN HOUTEN, Railroad Ave., Newark, by Confried Krueger, 75 Belmont Ave., Newark, at $15,000.

ETNA (Allegheny post-office), PA.—The Etna Ice Co. will build an ice plant here, with a daily capacity of 150 tons. Estimated cost, $40,000.

MILTON, PA.—SPAHR BROS., York, Pa., have the contract for erection of a silk mill, at Milton, to cost about $35,000. Sydney H. Souter, York, is Pres.

READING, PA.—Contract for building a 5-story brick hosiery mill at Reading for Thun & Janssen has been let to GEORGE W. BEARD & CO., Colonial Trust Bldg.

PITTSBURG, PA.—The Westinghouse Electric & Mfg. Co., Westinghouse Bldg., has announced, it is reported, that it will begin the manufacture of electric heating apparatus as soon as the necessary shops can be erected.

PITTSBURG, PA.—The Sterritt-Thomas Foundry Co., 32d and Smallman Sts., has decided to rebuild its plant, recently destroyed. Estimated cost, $80,000. D. J. Thomas is Vice-Pres.

CHARLESTON, W. VA.—The Dunkirk Window Glass Co. will erect and equip buildings at cost of $75,000. The buildings are to be constructed of cement blocks, with 1,000 squares roofing surface. The plant will produce 30 carloads window glass per month. The plans for building prepared by George A. Schlossstein, Pres. and Gen. Mgr.

BROOKFORD (Hickory post-office), N. C.—Improvements are to be made in the Brookford Mills at Brookford, including equipment of the mill and the power plant. Much of the old and worn-out machinery is to be replaced, and the power plant is to have a new water wheel and another power dam. The plant is a factory of 25,000 spindles and 500 looms. H. J. Holbrook is Gen. Mgr.

HENDERSON, N. C.—At a meeting of the stockholders of the Harriett Cotton Mills, held at Henderson, May 22, it was voted to build a new mill, to be known as Harriett Cotton Mill No. 2, and to cost $200,000. The site for the new mill has not yet been selected, but it will be near the old Harriett mill.

SPARTA, GA.—A company with $100,000 capital and of which R. F. Bryan, Athens, Ga., is Pres., will build a cotton mill at Sparta. It is expected that the mill will be in operation on Dec. 1. To start with, the factory will operate only 5,000 spindles. This number will be increased to 10,000 as soon as the business of the concern will permit.

OPELOUSAS, LA. — The Nigh-Rutledge Lumber & Manufacturing Co., Ltd., recently incorporated, will erect a band mill at cost of $25,000, and will produce hardwood lumber. P. A. Rutledge is Pres.; P. N. Anger, Engr.

KNOXVILLE, TENN.—The W. J. Oliver Mfg. Co. will erect a building to cost $100,000, 80 × 400 ft., of steel construction. Car shops and power plant will be added. Capital stock of company was recently increased to $1,000,000.

CINCINNATI, OHIO.—Bert L. Baldwin, Perin Bldg., has prepared plans for the new plant to be erected at Colerain and Spring Grove Aves., by the Samuel Tatum Co., iron founders, John and Water Sts. The factory building will be a 4-story brick structure, with basement, 266 × 55 ft. A foundry of one story will be erected in the rear of this structure, and will be 108 × 308 ft. Several smaller buildings will be put up later on. The improvement will cost about $175,000.

NEW ALBANY, IND.—The Enterprise Ice Co. is reported to have ordered plans for the erection of a $20,000 plant. F. J. Schueler is Pres.

ALTON, ILL.—L. Pfeiffenberger & Son, Archs., 102 West Third St., have awarded contract to HENRY SCHUELLE, at $14,747, for constructing a factory for the McPike Paper Co.

CHICAGO, ILL.—Webster Tomlinson, 809 Steinway Hall, Chicago, is preparing plans for buildings for the Great Western Smelting & Refining Co., contracts for which will be let about July 1. There will be three 1-story buildings, one 50 × 400 ft., one 40 × 240 ft., and the third 60 × 100 ft. The power plant will include one 150-HP. duplex engines and two 125-HP. boilers.

Treat & Ahlschuler, 277 Dearborn St., have made plans for a factory building, to be erected at Washington and Desplaines Sts., for the Brown & Sharpe Mfg. Co., 16 South Clinton St. The structure is to have eight stories, and will be 75 × 90 ft., built of brick and reinforced concrete construction, with oak finish, maple flooring, gas and electric fixtures, steam heat, water closets and washstands. Cost, $150,000.

The National Lead Co., manufacturers of white lead and lead pipes, 1510 State St., has acquired 597 × 105 ft. of land at the corner of Johnson and 16th Sts., adjoining the company's plant, and contemplates erecting several buildings as addition to the plant, the improvements being estimated to cost $150,000.

ST. PAUL, MINN.—Bids are asked until 2 p. m., June 20, by Col. James B. Quinn, Corps Engrs., U. S. A., for purchase of air compressor plant and tube mill. (Advertised, Engineering News.)

BUTTE, MONT.—It is reported that the United Merchants' Biscuit Co. will erect a plant here at a cost of $50,000 and will employ 200 men.

WEBB CITY, MO.—The Bulldog Mining Co., recently incorporated, will establish a 250-ton concentrating plant, to cost $25,000. Chapman & Dunan are Mgrs.

KANSAS CITY, MO.—Sheppard & Farrar, Archs., Long Bldg., have let general contract to LONSDALE BROS., Bryant Bldg., for constructing a 1-story brick and stone factory building, 140 × 145 ft., at 16th and Ashland Aves., for the Witte Iron Works. Cost, $25,000.

HOUSTON, TEX.—Oswald Wilson, of Fort Worth, is making preparations to establish a plant here for manufacturing woven wire designs. It will cost $25,000. The officers of the company lately formed are Oswald Wilson,, Pres.; George W. Burroughs, Secy. and Treas.

LAWTON, OKLA.—J. E. Harbinger, of St. Louis, Mo., and associates will establish a canning factory here at a cost of $50,000.

SPOKANE, WASH.—J. W. FORREST has been awarded a contract at $25,000 to erect the superstructure of the National Iron Works' plant at Cataldo Ave. and Division St., where the company has a site 500 × 200 ft. The building will increase the plant four times. J. H. Boyd announces that new equipment will be installed.

YARMOUTH, N. S.—The Cosmos Cotton Co., Yarmouth, will build an extension to its present mills, expending about $75,000. George Burton is Mgr.

MONTMORENCY FALLS, QUE.—The Dominion Textile Co., Liverpool, London & Globe Bldg., Montreal, will add 10,000 spindles to its mill at Montmorency Falls.

WINNIPEG, MAN.—The contract for building the addition to the Canadian Pacific Ry. Co.'s shops here has been given to McDIARMID BROS., Winnipeg, at $151,070.

NORTH BATTLEFORD, SASK.—The Union Supply Co. will erect a large flour mill and grain elevator, to cost $20,000.

EDMONTON, ALTA.—Swift & Co., 125 Monroe St., Chicago, are making arrangements for a plant to be erected here. Plans have been prepared for a building 122 × 160 ft., seven stories, brick, on cement foundations. W. R. Hoffman and H. W. Adams are here in the interests of the company.

MISCELLANEOUS CONTRACTS.

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

FENCES.—Fort Myer, Va.—Bids are asked by Capt. B. B. Hyer, Constr. Q. M., U. S. A., until June 15 for construction of corral and paddock fences.

TELEPHONE.—Woodslee, Ont.—The Township of Rochester is considering the installation of a telephone system. M. N. Mousseau is Clerk, Woodslee, Ont.

FLAGSTAFF.—Fort Jackson, La.—Bids are asked until June 5 by Capt. B. T. Clayton, Q. M., U. S. A., New Orleans, for erecting a 75-ft. flagstaff at Ft. Jackson.

DRY-DOCK.—Bremerton, Wash.—Bids are asked by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., July 27, for constructing dry-dock No. 2, of concrete and granite, at Puget Sound Navy Yard. R. C. Hollyday, Ch. of Bureau. Specifications are on file at office of Engineering News, New York.

NOZZLES, ETC.—New Yo[illegible] Y.—Bids are asked until 10:30 a. m., [illegible] by Francis J. Lantry, Fire Comr., [illegible] delivering nozzles and pipe [illegible]shing and fireboats. [illegible] for new

SEAWALL.—New Orleans, [illegible] Bids are asked until 11 a. m., June 2[illegible] Col. E. H. Ruffner, Corps Engrs., U. [illegible] for constructing seawall at Fort [illegible] Ship, La. (Advertised, Engineering N[illegible])

DREDGING—Boston, Ma[illegible] Bids are asked until noon, June 29, [illegible] Edward Burr, Corps Engrs., U. S. [illegible] dredging in Boston Harbor. Estimat[illegible] $3,000,000. (Advertised, Engineerin[illegible])

PARK.—Northampton, M[illegible] Bids are asked until June 1 by the Bo[illegible]rk Commissioners, Chauncey M. P[illegible] Chn., for laying out and completing ne[illegible] on Main St.

MOVING BEACON.—Tompk[illegible] N. Y. —Bids are asked at the offic[illegible] Light House Engineer, at Tompkins[illegible] S. I., N. Y., until June 20, for movin[illegible] Beacon, Sandy Hook, N. J. [illegible]th Hook

TELEPHONE SYSTEM.—Cl[illegible] Alta. —This town will soon have a [illegible]one system, the Calgary Telephone [illegible] of Calgary, Alta., having decided to [illegible] a long distance line from Staverly.

BARGES.—Vicksburg, Miss.—[illegible] are asked until noon, June 14, by Cap[illegible] M. Hoffman, Corps Engrs., U. S. A., fo[illegible]structing and delivering twelve wooden b[illegible] for use in the Third District.

TELEPHONE EXTENSIONS [illegible] Winnipeg, Man.—The Bell Telephone Co. h[illegible] decided to spend $2,500,000 this year on [illegible]rovements and extensions to its systems in [illegible]da. Address C. F. Size, Montreal, Que.

FERRY HOUSE.—New York, N. Y.—Bids are asked until noon, June 5, by J. A. Bensel, Comr. of Docks, for building a ferry house for the new 39th St. ferry, between Whitehall and Broad Sts., East River.

DREDGING.—Charleston, S. C.—Bids are asked until noon, June 27, for dredging canal between Sewee Bay and McClellanville, S. C. Capt. G. P. Howell, Corps Engrs., U. S. A. (Advertised, Engineering News.)

DRYDOCK.—Collingwood, Ont.—The Collingwood Shipbuilding Co., which has its yards and drydocks here, has determined to enlarge its plant and equipment to double the present capacity. A new drydock, 650 ft. in length, will be built.

RETAINING WALL.—Norfolk, Va.—WEST RICHARDSON, of Norfolk, has been awarded the contract for the construction of the concrete retaining wall and sheet piling bulkhead for the Virginia Ry. Co., at end of Main St. Cost, $35,000.

BREAKWATER.—Duluth, Minn.—Bids are asked until noon, June 24, by Maj. Graham D. Fitch, Corps Engrs., U. S. A., for building rubble mound breakwater at Superior Entry, Wis. (Advertised, Engineering News).

PIPE FENCE.—Brooklyn, N. Y.—Bids are asked until June 13 by the Park Board, Moses Herrman, Pres., New York City, for furnishing material and constructing a 3-rail pipe fence around Greenpoint Park, Boro. of Brooklyn.

DREDGING. — Cape May, N. J. — The MARYLAND DREDGING CO. of Baltimore, Md., has secured the contract for dredging 12,000,000 cu. yds. at Cape May. The new work involves a cost of about $1,000,000 and will take three years to complete.

BEACH IMPROVEMENTS.—Asbury Park, N. J.—At an election held on May 29 it was voted to issue bonds to the amount of $150,000 for beach improvements. It is proposed to build two new pavilions and groups of bath houses and to install a new jetty system.

RUBBER FIRE HOSE.—New York, N. Y. —Bids are asked by Francis J. Lantry, Fire Comr., until 10:30 p. m., June 7, for furnishing and delivering 5,000 ft. of 2½-in. rubber fire hose for volunteer companies, Boro. Queens.

DREDGING.—New York, N. Y.—Bids are asked until noon, June 5, by J. A. Bensel, Comr. of Docks, for dredging about 100,000 cu. yds. on the North River, and on the East and Harlem Rivers, Boroughs of Manhattan, Brooklyn, Queens and the Bronx, and in the Boro. of Richmond.

PIER, REVETMENTS.—Saugatuck, Mich. —Bids are asked by Col. H. M. Adams, Corps. Engrs., U. S. A., Grand Rapids, until 3 p. m., June 24, for construction of sheet pile revetments and repair of south pier at Saugatuck Harbor. (Advertised, Engineering News).

AIR COMPRESSOR PLANT, TUBE MILL. —St. Paul, Minn.—Bids will be received by Col. James B. Quinn, Corps Engrs., U. S. A., P. O. Box 654, St. Paul, until 2 p. m., June 20, for purchase of air compressor plant and tube mill no longer needed by the U. S. (Advertised, Engineering News).

VESSEL.—Washington, D. C.—The Revenue Cutter Service, Washington, D. C., has awarded to the PUSEY & JONES SHIPBUILDING CO., Wilmington, Del., contract at $82,000 for the construction of the hull of revenue cutter No. 14, to be known as the "Androscoggin."

DRAINAGE TUNNEL.—Cripple Creek, Colo.—Bids were received May 15 for driving about 15,000 ft. of deep drainage tunnel in the Cripple Creek mining district, Colo. E. D. Marr, Secy., Colorado Springs, as advertised in Engineering News on March 28. Estimated cost, $325,000.

LOCK-GATE.—Pittsburg, Pa.—Bids are asked until June 12 by Maj. H. C. Newcomer, Corps of Engrs., U. S. A., for removing a steel lock-gate and erecting in its place a new steel lock-gate of greater height at Lock No. 6, Ohio River. Specifications and bidding sheet are on file at New York office of Engineering News.

GRANITE MO MENTS.—New York, N. Y.—Bids are asked until 11 a. m., June 6, by Joseph Berm Pres. Boro. Queens, for furnishing and vering 1,000 best Maine granite monume to be delivered within the Boro. of Que as directed by the engineer in charge o the Topographical Bureau.

JETTY REPA S, ETC.—Cleveland, Ohio.—Bids are aske by Lieut.-Col. C. McD. Townsend, Corps ngrs., U. S. A., 813 Prospect Ave., S. E., until 2 p. m., June 20, for stone reinforcem ts and repair of jetties at the harbors of rt Clinton and Vermillion, Ohio.

MATTRESSES.—New Orleans, La.—Bids are asked by Col. E. H. Ruffner, Corps Engrs., U. S. A., until noon, June 20, for constructing sill cross Cubit's Gap and The Jump, and placing additional mattresses on sill across head of Pass-a-Loutre, Mississippi River. (Advertised, Engineering News).

GRADE CROSSINGS.—Utica, N. Y.—Petition has been presented by the mayor and common council of Utica to the State Railroad Commission for the elimination of the grade crossings in that city at Genesee St., Mohawk St. and Park Ave. The estimated cost of the work of eliminating these crossings is $300,000.

DREDGING.—New London, Conn.—Bids were received as follows on May 22 by Maj. Harry Taylor, Corps Engrs., U. S. A., for dredging the Housatonic River: (a) Price per cu. yd., 50,000 cu. yds.; (b) total: Maritime Dredging Co., 78 Broad St., New York, (a) 24¾ cts., (b) $12,375; Edward A. Berry, Rensselaer, N. Y., (a) 17 cts., (b) $8,500.

REPAIRING WHARF.—Philadelphia, Pa.—Bids are asked until noon, May 31, for repairing and strengthening Bridge St. Wharf, Bridesburg, further improvement and completion of Weccacoe Sq., specifications for both of the above to be seen at Room 113, City Hall. Henry Clay, Director Dept. Public Safety.

SEA-WALL.—Newport, R. I.—Bids are asked by the Bureau of Equipment, Navy Dept., Washington, D. C., until 11 a. m., June 10, for constructing a sea-wall, containing 270 cu. yds. of granite, at U. S. Naval Coal Depot, Bradford, R. I. Wm. S. Cowles, Ch. of Bureau. (Advertised, Engineering News).

FIRE ALARM EQUIPMENT.—Albany, N. Y.—Bids are asked by the Board of Contract and Supply, Albany, until June 3, 3 p. m., for furnishing a combined automatic and manual fire alarm telegraph central office equipment; also, for equipping the bureau of police with a signal system in the first, third and fifth precincts. M. H. Higgins is Chf. of the Fire Department; James L. Hyatt is Chf. of Police.

RIP-RAP.—New Haven, Conn.—Bids were received as follows on May 21 by Maj. Harry Taylor, Corps Engrs., U. S. A., New London, Conn., for delivering rip-rap stone in breakwater at New Haven: Estate of John Beattie, Leetes Island, Conn., $1.29 per gross ton; E. S. Belden & Sons, Hartford, Conn., $1.25½ per gross ton; the Sea Coast Construction Co., New York, 99 cts. per gross ton; Bowker Construction Co., New York, $1.54 per gross ton; Daniel F. Toomey, New York, $1.25 per gross ton.

WHARVES.—Ottawa, Ont.—Bids are asked by the Department of Public Works, Ottawa, until June 14, for the completion of the landing pier at Pointe aux Trembles, County of Portneuf, Quebec.

Bids are also asked by the Department, Ottawa, until June 12, for the construction of a wharf at Bic, County of Rimouski.

Bids are asked until June 5 by the Department for the construction of a public wharf at East Templeton, County of Wright, Que. F. Gelinas is Secy of the Department.

CAUSEWAY.—Galveston, Tex. — Galveston County has voted affirmatively the issuance of $500,000 of bonds, the county's proportion of cost of constructing causeway connecting Galveston Island with the mainland, total expenditure being between $1,225,000 and $1,500,000. It is proposed to have the three steam railroads entering Galveston—the Southern Pacific, Santa Fe & Galveston and the Houston & Henderson—Galveston-Houston electric road and the county to contribute to the cost of the project. Noted previously.

ORDNANCE.—Washington, D. C.—Bids were opened May 22, at the office of the Chief of Ordnance, Navy Dept., Washington, D. C., for furnishing target shell, as follows: (a) 3,000 5-in. 60-pounder forged steel shell; (b) 5,000 3-in. 50-calibre target shell; (c) 2,000 5-in. 50-pounder; (d) 8,000 6-in. target shell; (e) 5,000 6-in. same; (f) 5,000 13-in. same: United States Rapid Fire Gun & Power Co., Derby, Conn., (b) $1.74½ each. American-British Mfg. Co., Bridgeport, Conn., (a) $10.35 each; (b) $2.20 each; (c) $8.05 each; (d) $13.50 each (limited number). E. W. Bliss Co., Brooklyn, N. Y., (a) $10 each; (b) $2.40 each; (c) $8.75 each; (d) $13.60 each (limited number). Firth-Sterling Steel Co., Washington, (d) $11.75 each; (e) $29 each; (f) $97.50 each. Bethlehem Steel Co., South Bethlehem, Pa., (a) $9.80 each; (b) $2.28 each; (c) $8.95; (d) $13.98; (e) $41.50; (f) $101.06 each.

RIVER IMPROVEMENT.—Buffalo, N. Y.—Bids were received as follows by Francis G. Ward, Comr. of Public Works, Buffalo, on May 17, for the improvement of Buffalo River and Cazenovia Creek within the city. The work includes about 4,600,000 cu. yds. earth excavation; 10,000 cu. yds. rock excavation; 1,500 lin. ft. pile protection, timber cribbing, etc. The work is for the abatement of floods and extension of navigation. Chas. M. Morse, Deputy Engr. Comr. The bids were received for three sections, respectively numbered 2, 3 and 4. Section 2 is that part of Buffalo River from Cazenovia Creek downstream to the upper end of the wharf of the Buffalo Union Furnace Co. Section 3 is that part of Buffalo River from Cazenovia Creek to the easterly city line. Section 4 is that part of Cazenovia Creek lying between Buffalo River and Cazenovia St. The bids for section 2 were as follows: Buffalo Dredging Co., $587,672; Lake Erie Dredging Co., $632,550; Thomas Brown Contracting Co., $702,400.

The bids for section 3 were as follows: Buffalo Dredging Co., $213,460; Thomas Brown Contracting Co., $285,000; John Miller and William Franklin, Jr., $332,000; Joseph F. Stabell Co., $338,000.

The bids for section 4 were as follows: Thomas Brown Contracting Co., $88,200; Buffalo Dredging Co., $91,248; Joseph F. Stabell Co., $110,900; Miller and Franklin, $114,800.

U. S. POSSESSIONS AND CUBA.

LUMBER.—Panama.—Bids were received as follows May 24 at the office of the Isthmian Canal Commission, Washington, D. C., for 7,800,000 ft. B. M., of lumber for the Isthmus: A. S. Bacon & Sons, 2 Bay St., West, Savannah, Ga., $195,050, 180 days; A. E. Baird Lumber Co., First National Bank Bldg., Nashville, Tenn., $278,750, 180 days; Bellingham Bay Lumber Co., Sansome and Chestnut Sts., San Francisco, $196,545, 90 days shipment; Cal. redwood, N. B. Borden & Co., Fernandina, Fla., $216,400, 120 days; Continental Lumber Co., Binz Bldg., Houston, Tex., $259,000, 190 days; Dixon Lumber Co., Savannah, Ga., $215,175, 240 days; G. Elias & Bros., Buffalo, New York, $222,212, 120 days; Wm. D. Gill & Sons, 701 President St., Baltimore, $211,450, 180 days; James Mfg. Co., Tifton, Ga., $275,350, 120 days; J. K. Joice & Co., 164 Dearborn St., Chicago, $227,863, no time; Marbury Lumber Co., Marbury, Ala., $197,662, 90 days. Tampa Havana Lumber Co., Tampa, Fla., $196,325, 180 days; Camp & Hinton Co., New Orleans, (a) $207,075, 90 days, (b) $191,875, 90 days, (c) $199,475, 60 days, (d) $184,275, 180 days; Chicago Lumber & Coal Co., St. Louis, Mo., (a) $191,296, (b) $187,496, 135 days. Ensign Lumber Co., Jacksonville, Fla., (a) $214,250, (b) $202,725, (c) $199,250, (d) $187,725, (e) $180,125, (f) $177,125, 150 days; D. L. Gillespie & Co., Pittsburg, Pa., (a) $201,125, (b) $193,950; Robt. Sizer & Co., 4 East Bay St., Jacksonville, Fla., $194,875.

David W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., has awarded to the SALMON BRICK & LUMBER CO., LTD., 716 Common St., New Orleans, contract for furnishing 5,000 piles, at $43,260.

INDUSTRIAL NOTES.

THE TRUSSED CONCRETE STEEL CO., of Detroit, Mich., is putting on the market a new bar for reinforcing concrete called a "cup-bar," rolled with rectangular depression or cups on its four faces. It is also marketing a rectangular mesh type of expanded metal in seven sizes with meshes 2 ins. to 8 ins. square, and weighing 2 lbs. to ½ lb. per sq. ft.

J. H. WAGENHORST & CO., Youngstown, Ohio, manufacturers of electric blue printing machines, report the following sales: Thomson Stationery Co., Vancouver, B. C.; Department of Forestry, Ottawa, Ont.; New Jersey Zinc Co., New York; James Clark, Jr., & Co., St. Louis, Mo.; Howe Engineering Co., New York; Great Western Sugar Co., Ft. Collins, Colo.; Builders Exchange, St. Paul, Minn.; C. N. Dunham, Philadelphia, Pa.

THE EXPANDED METAL ENGINEERING COMPANY, which, for eleven years has been located at 256 Broadway, has removed its offices to the new Brunswick Building, 225 Fifth Ave., New York. The Brunswick Building is to contain the permanent exhibit of the Concrete Association of America, and as Mr. Merrill Watson, Manager of the Expanded Metal Engineering Co., is one of the Vice-Presidents of the Concrete Association, the move was an advantageous one.

THE FISHER HYDRAULIC STONE AND MACHINERY COMPANY, of Baltimore, Md., has sold a complete outfit of hydraulic stone-making machinery to Messrs. Thomas D. Ridley & Sons, leading contractors and manufacturers, of Middlesborough, England. The plant will be located at the works of the company—South Bank, near Middlesborough—and is expected to be in operation about July 1. It will have a capacity of from 1,500 to 3,000 cu. ft. of wall stone, steps, large sills, window sills and lintels and other special stone. The manufacture of large dimension stone will be a prominent feature of the business. The order for this machinery was placed by Mr. Thomas W. Ridley, President of the company, after inspecting the machinery at Baltimore.

THE NORTHWEST ENGINEERING CO., 153 La Salle St., Chicago, has recently completed its organization and has arranged the personnel of its engineering forces with reference to doing particularly effective work as constructing and contracting engineers in all branches of the business. The company will undertake surveys, estimates and reports on existing and projected electric and steam railways, the construction and superintendence of power plants and central stations, also the erection of bridges and buildings and structures of reinforced concrete. Water supply, sewers and sewage disposal and kindred problems will be handled by specialized engineers. The engineering talent and experience that has become associated in the management of this company gives promise of thorough and economical methods in the handling of its contracts, the first of which are now being vigorously pushed. Mr. R. C. Canterbury is secretary of the company and managing engineer, at the address mentioned above.

THE L. J. WING MFG. CO., 90 West St., New York City, report increasing sales of its newly-patented Wing's turbine fan. This fan is the combination of two well-known machines, the Wing disk fan, and a well-designed turbine engine. The same is the invention of Mr. L. J. Wing, President of the L. J. Wing Mfg. Co., who originally invented and patented the disk fan, of which there are many thousands in use in this and other countries. The L. J. Wing Mfg. Co. has been putting them on the market over a year, and has met with great success, finding large demand for such a combination. The blades of the fan are practically the same as those used on the well-known Wing disk fan when used for ventilation, run by belt, electric motor, or direct connected old type engine. The turbine engine consists of a series of well designed turbine buckets or vanes fastened to a band or ring, which in turn is fastened to the end of the periphery of the fan blades. Two or more nozzles of special design impinge the steam into the buckets, and causes the fan to r otate. This gives an economical and positive power.

For other Proposal Advertisements see pages 55, 56, 57, 58, of Advertisements and Construction News page 202.

SEWER SYSTEM.

Allenstown, N. H.

Sealed proposals will be received by F. E. Blodgett, Secretary of the Sewer Committee, Allenstown, N. H., until 12 o'clock noon of Tuesday, the 18th day of June, 1907, for the construction of a part of the sewerage system of said town, and the bids will be immediately opened.

Specifications may be obtained and plans seen at the office of F. E. Blodgett, Suncook, N. H., Secretary of the Sewer Committee, or at the office of Frank A. Gay, Engineer, 852 Elm St., Manchester, N. H.

The work consists of about 6,100 feet of pipe sewers from 10-inch to 22-inch diameter, 16 manholes and 16 catch-basins.

Bids must be made on proposal blank attached to the specifications, and conform to all the requirements of the instructions "To Contractors:"

A certified check for $200.00 must accompany bid, and the right is reserved to reject any or all bids.

F. E. BLODGETT,
Secy. Sewer Committee.
FRANK R. GAY, Engineer. 22-3t

PAVING.

Caldwell, O.

Sealed bids will be received until 12 M., June 14th, 1907, for 6,900 sq. yds. street paving at the office of the Village Clerk, Caldwell, Ohio. Specifications with bidding blanks mailed on request. Certified check for $300.00 required. Six brick, one gallon each of gravel and sand, to be filed 10 days prior. 22-1t

U. S. ENGINEER OFFICE, Charleston, S. C., May 27, 1907.—Sealed proposals for dredging canal between Sewee Bay and McClellanville, S. C., will be received here until 12 noon, June 27, 1907, and then publicly opened. Information furnished on application. G. P. HOWELL, Capt., Engrs. 22-4t

DEPARTMENT OF THE INTERIOR, UNITED STATES RECLAMATION SERVICE.—The date of opening proposals under the following advertisement has been postponed until 4 o'clock P. M., June 10, 1907. Washington, D. C., April 20, 1907.—Sealed proposals will be received at the office of the United States Reclamation Service, Belle Fourche, South Dakota, until 4 o'clock P. M., May 28, 1907 (now June 10, 1907), for the construction of South Canal, Sections 2-6, and Structures, Sections 2-8, involving approximately 670,000 cubic yards of Canal excavation, 7,200 yards of concrete, and 1,295 linear feet of tunnel, in connection with the Belle Fourche Project, South Dakota. Plans, specifications and proposal blanks may be obtained from the United States Reclamation Service, Washington, D. C.; Crawford, Nebraska, or Belle Fourche, South Dakota. JAMES RUDOLPH GARFIELD, Secretary. 22-1t

OFFICE OF THE COMMISSIONERS, D. C., Washington, May 25, 1907.—Sealed proposals will be received at this office until 12 o'clock noon, Saturday, June 15, 1907, for the construction of a concrete-steel bridge across the track of the Baltimore and Ohio Railroad Company on the line of Monroe Street, extended, Anacostia, D. C. Bridge will have a span of 17 feet and will contain approximately 34 tons of steel and 1,000 cubic yards of concrete. Blank forms of proposal, specifications, and all necessary information may be obtained at Room 43, District Building. H. B. F. MACFARLAND, H. L. WEST, JAY J. MORROW, Commissioners, D. C. 22-2t

SEALED PROPOSALS, endorsed "Proposals for Sea Wall," will be received at the Bureau of Equipment, Navy Department, Washington, D. C., until 11 o'clock A. M., June 10, 1907, and then and there publicly opened, for constructing a sea wall containing about 270 cubic yards of granite at the U. S. Naval Coal Depot, Bradford, R. I. Plans and specifications may be obtained on application to the Bureau of Equipment. WM. S. COWLES, Chief of Bureau, May 23, 1907. 22-2t

U. S. ENGINEER OFFICE, 812 St. Paul St., Baltimore, Md., May 3, 1907.—Sealed proposals for dredging in Harbor of Southwest Baltimore and Curtis Bay, Md., will be received at this office until 1 o'clock P. M., June 3, 1907, and then publicly opened. Information furnished on application. R. L. HOXIE, Lt. Col., Engrs. 19-4t

READVERTISEMENT.

PAVING.

Gary, Ind.

NOTICE FOR BIDS FOR THE IMPROVEMENT OF BROADWAY, FROM THE NORTHERLY LINE OF THE RIGHT OF WAY OF THE MONTPELIER AND CHICAGO RAILROAD (WABASH RAILROAD COMPANY) TO THE SOUTHERLY LINE OF THE RIGHT OF WAY OF THE PITTSBURG, FT. WAYNE AND CHICAGO RAILWAY COMPANY (PENNSYLVANIA COMPANY) IN THE TOWN OF GARY, LAKE COUNTY, INDIANA.

Notice is hereby given that sealed bids will be opened and considered by the Board of Trustees of the Town of Gary, Lake County, Indiana, at 3 P. M., on the 8th day of June, 1907, at the office of the Board in the schoolhouse opposite the Post Office on Broadway in said town, for the improvement of Broadway, a public street in said town, from the northerly line of the right of way of the Montpelier and Chicago Railroad (Wabash Railroad Company) to the southerly line of the right of way of the Pittsburg, Ft. Wayne and Chicago Railway Company (Pennsylvania Company) in the town of Gary, Lake County, Indiana, by grading and paving the same with paving brick laid upon a concrete foundation, with cement sidewalk and curb and suitable street and alley returns, all according to the plans and specifications now on file in the office of the Town Engineer in said town.

All bids must be on file with the Town Clerk by 2 P. M. of said day; and all bidders must inclose with their respective bids a certified check for an amount of not less than 2 per cent. of their bid to insure the execution of their contract if their bid should be accepted, which will be returned to unsuccessful bidders.

The right is reserved to reject any and all bids.

The person awarded the contract for such improvement must enter into a written contract therefor, and give a bond with surety to be approved by the Board of Trustees in the penal sum of fifty thousand dollars, conditioned for the faithful performance of the same.

MILLARD A. CALDWELL,
THOMAS E. KNOTTS,
JOHN E. SEARS,
Board of Trustees of the Town of Gary.
Attest:
C. O. HOLMES, Clerk. 22-2t

STEEL RAILWAY BRIDGES AND HAND-RAILING FOR SUBWAY.

Toronto, Ont.

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on Tuesday, July 16th, 1907, for the supply and erection of steel railway bridges and hand-railing required for the Lansdowne Avenue Subway.

Envelopes containing tenders must be plainly marked on the outside as to contents.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto.

The usual conditions relating to tendering as prescribed by city by-law must be strictly complied with or the tenders will not be entertained.

The lowest or any tender not necessarily accepted.

E. COATSWORTH (Mayor),
Chairman, Board of Control.
City Hall, Toronto, May 18th, 1907. 22-7t

SEWER.

Forest City, Pa.

Sealed proposals for the construction of an intercepting sewer will be received by the borough of Forest City, Susquehanna County, Pennsylvania, at the City Hall, up to 8 o'clock P. M. of the 10th day of June, A. D. 1907, "proposals to be addressed to Council, Borough of Forest City, and endorsed Proposal for constructing a system of sewers," and must contain a certified check drawn upon a National Bank or Trust Company, and made payable to the borough of Forest City, for an amount equal to five per centum (5%) of the total amount of the proposal.

The work to be done consists of, approximately 1,000 feet 24-inch terra cotta pipe, 3,900 feet of 15-inch terra cotta pipe, 1,550 feet 12-inch terra cotta pipe, 1,950 feet of 10-inch terra cotta pipe, 2,100 feet 8-inch terra cotta pipe and 35 manholes. Plans may be seen and specifications and blank forms of proposals and contract may be ob-

tained either of the President of Council at Forest City, Pennsylvania, or of the Engineers at Carbondale, Pa. The right to reject any and all proposals is reserved.

WILLIAM J. McLAUGHLIN,
President of Council.
F. J. HOWELL & CO.,
Engineers. 22-2t

GRADING.

Tuckahoe, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Tuckahoe, N. Y., at the Village Office, Depot Square, until eight o'clock P. M., June 3d, 1907, and publicly opened immediately thereafter for regulating and grading streets of said Village, as shown upon a plan thereof filed in the office of the Village Engineer, George H. Rogers, 4 Depot Square, Tuckahoe, N. Y. Work to be done consists of filling and grading of the extension of Lincoln Street from the present easterly end of said Lincoln Street to Dusenberry Avenue, a distance of about 185 lineal feet, and of the extension of Oak Avenue from the present northerly end of said Oak Avenue to Depot Square, a distance of about 347 lineal feet.

Plans can be seen and specifications and blank forms of proposals and contract can be obtained from George H. Rogers, Village Engineer.

Each proposal to be accompanied by a certified check for $300, to be forfeited to the Village of Tuckahoe in case a person submitting a proposal shall refuse to enter into a contract in accordance with his proposal.

The Village reserves the right to reject any and all bids.

A deposit of $10 will be required for plans and specifications, which will be returned upon the return of said plans and specifications.

Proposals to be addressed Street Proposals, Village Clerk, of the Village of Tuckahoe, N. Y.

Dated Tuckahoe, May 22d, 1907.

Board of Trustees:
WILLIAM RUBLY, President;
WILLIAM HAGUE,
JOHN MONAGHAN,
Trustees of the Village of Tuckahoe.
THOMAS J. McCARTHY,
22-1t Village Clerk.

GARBAGE DISPOSAL.

Youngstown, Ohio.

The Board of Health of the City of Youngstown, Ohio, will receive sealed bids at its office until twelve o'clock noon, June 29th, 1907, for the collection, removal and disposal of garbage within said city for a period of five years, in accordance with specifications on file in the office of the Board of Health and the ordinances of said city relating thereto, copies of which will be furnished to bidders upon application.

Each bidder shall state the lowest price for which he will collect, remove and dispose garbage in quantities of one hundred pounds or less, in quantities of more than one hundred pounds and less than two hundred pounds, and in quantities two hundred pounds and over. The price bid shall be the maximum charge which the contractor may make for said work. It being understood that the said work shall be done at the expense of persons responsible for the existence of garbage and not at the expense of the said city. Each bid shall contain the full name of every person interested therein and shall be accompanied by a good and sufficient bond or certified check, in the sum of Two Thousand ($2,000.00) Dollars, conditioned that the bidder will within five days after being notified that the contract has been awarded to him, enter into the contract and furnish a bond with sufficient sureties, in the sum of Twenty Thousand ($20,000.00) Dollars for its faithful performance. Said Board of Health reserves the right to reject any or all bids.

THE BOARD OF HEALTH,
City of Youngstown, Ohio.
22-5t By Clate A. Smith, Secy.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 25, 1907.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 2d day of July, 1907, and then opened for the construction of an extension, remodeling, etc. (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of the U. S. Court House and Post-Office at San Antonio, Tex., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Custodian at San Antonio, Tex., at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 22-2t

DITCH LETTING.

Logansport, Ind.

Notice is hereby given that the undersigned Commissioner of Construction of the James Gault et al drain, will receive sealed bids at the office of Myers & Yarlott, No. 212 Fourth Street, in the City of Logansport, Cass county, Indiana, up to the hour of 11 o'clock A. M., Tuesday, June 11, 1907, for the construction of said drain in two sections; the upper section being from station 550 to station 717 and the lower section from station 1006 to the outlet station 1225 plus 85.

The bidder to whom the contract or contracts may be awarded, will also be required to clean the section of the ditch awarded him to the grade for one thousand feet above the point where construction already done leaves off.

Each bidder will be required to deposit with his bid cash or a certified check on some solvent bank, payable to the undersigned, for five hundred dollars, with the bid on the upper section, and two thousand dollars with the bid on the lower section, the same to be forfeited to the Commissioner for the benefit of the ditch fund, if upon the contract being awarded the successful bidder shall fail to enter into a contract and give bond for the work, as provided by law.

The successful bidder will be required to enter into a contract within five days of the award being made, by which he shall undertake to begin the work of actual construction within ninety days of the date of entering into the contract, and execute a bond with surety to the approval of the Commissioner, conditioned as by the statute provided.

The Commissioner reserves the right to reject any and all bids. Specifications can be seen at the Office of the Clerk of the Pulaski Circuit Court of Indiana, at Winamac, or at the office of the County Surveyor, the undersigned in the Town of Rochester, Indiana, or at the office of Myers & Yarlott, in the City of Logansport, Indiana.

The Commissioner, upon demand, will provide prospective bidders a computation of the number of cubic yards of excavation in each station of one hundred feet.

A. CLINTON DAVISSON,
22-1t Commissioner of Construction.

PAVING.

Oak Park, Ill.

Sealed proposals will be received by the Board of Local Improvements of the Village of Oak Park, Illinois, until 4 o'clock P. M., June 4th, A. D. 1907, for laying 15,790 sq. yds. asphalt pavement, 10,790 lin. ft. granite concrete combined curb and gutter, 240 lin. ft. oak header, 26 catch-basins and 18 manholes adjusted, in Oak Park Ave., from 12th St. to Madison St.; to be paid for in 5% interest bearing bonds drawn against Oak Park Specials 130 and 131 when collected.

Also, 14,750 sq. yds. granite top macadam pavement, 9,480 lin. ft. granite concrete combined curb and gutter, 6,000 cu. yds. excavation, 2 manholes and 8 catch-basins adjusted, on Erie St., from Oak Park Ave. to Austin Ave.; to be paid for in 5% interest bearing bonds drawn against Oak Park Special No. 134 when collected.

Also, 6,100 lin. ft. 12-in. double strength pipe sewer, 271 6-in. "Y" junctions, 42 manholes 10 ft. deep and 46 iron catch-basins 7 ft. deep, including 9-in. sewer pipe connections 15 ft. long on Clinton Ave., etc.; to be paid for in 5% interest bearing bonds drawn against Oak Park Special No. 138 when collected.

All in accordance with plans and specifications in Engineer's office.

A certified check 10% amount of bid required. The Board reserves right to reject any and all bids.

B. C. BRANDSTADT,
Secretary Board of Local Improvements.
Oak Park, Illinois, May 24th, 1907. 22-1t

COUNTY BRIDGES.

Reading, Pa.

Sealed proposals will be received at this office up to 10 a. m., Friday, June 7th, 1907, for the erection of a reinforced concrete arch bridge in Windsor Township (36 foot clear span and wing walls) to be known as Kershner's Bridge over Stoyer's Creek, at a point leading from Windsor Castle and one mile South of Hamburg. All bids must be accompanied by a certified check equal to 10% of the aggregate amount of the bid. The right is reserved to reject any or all bids.

H. F. LIVINGOOD,
22-1t County Controller.

STEEL BRIDGE.

Grand Rapids.

Sealed proposals will be received at the office of the Board until June 20th, 1907, at 8.00 P. M. for constructing the superstructure for a steel bridge across Grand River at Ann Street, such bridge consisting of four spans, each 150 feet long and having a roadway and two sidewalks, according to the plans and specifications on file at the office of the City Engineer.

The Board reserves the right to reject any or all bids.

Each bidder shall deposit with his proposal a certified check or certificate of deposit payable to the order of CHAS. M. WILSON, President, in the sum of 5 per cent. of his proposal, but not less than $50.00, to be forfeited to the City of Grand Rapids in case he shall fail to enter into contract, in accordance with his proposal, should his proposal be accepted by the Board of Public Works.

All proposals must be made upon blanks that will be furnished upon application at the office of the City Engineer. By order of the Board. HENRY J. KLEVORN,
President Pro Tem.
SAMUEL A. FRESHNEY,
Secretary and General Manager.
L. W. ANDERSON,
City Engineer. 22-2t

WATER-WORKS SYSTEM.

Clinton, O. T.

Sealed bids will be received by the Mayor and City Council of Clinton, O. T., and opened the 10th day of June, 1907, for the purchase by that city of boilers, pumps, heater, valves, hydrants, tank and tower and pipe required in the construction of a complete water-works system. Specifications may be had from O'NEIL ENGINEERING COMPANY, Dallas, Tex. 22-2t

FILTER PLANS.

Sacramento, Cal.

Competitive plans and specifications providing for a filtration plant for the City of Sacramento will be received up to 8 o'clock P. M., of Monday, August 19th, 1907, at which time they will be publicly opened.

Local data and general requirements will be forwarded upon application to M. J. DESMOND, Clerk of the Board of Trustees of the City of Sacramento, Cal. 22-1t

COUNTY BRIDGES.

Reading, Pa.

Sealed proposals will be received at this office up to 10 a. m., Friday, June 7th, 1907, for the erection of a reinforced concrete arch bridge to be known as the Temple Bridge, in Muhlenberg Township (56 feet 7¼ inches), fifty-six feet seven and one-fourth inches. All bids must be accompanied by a certified check equal to 10% of the aggregate amount of the bid. The right is reserved to reject any or all bids.

H. F. LIVINGOOD,
22-1t County Controller.

U. S. ENGINEER OFFICE, Room N, Custom house, New Orleans, La., May 25, 1907.—Sealed proposals for Constructing Sea Wall at Ft. St. Philip, La., will be received here until 11 a. m., June 24, 1907, and then publicly opened. Information furnished on application. E. H. RUFFNER, Col., Engrs. 22-4t

EXECUTIVE OFFICE.—Office of the Commissioners, D. C., Washington, May 22, 1907.—Sealed proposals will be received at this office until 12 o'clock, noon, Saturday, June 8, 1907, for grading Sixteenth Street, Extended, N. W. Available funds about $28,000. Blank forms of proposals, specifications, and all necessary information may be obtained at Room 43, District Building. H. B. F. MACFARLAND, H. L. WEST, JAY J. MORROW, Commissioners, D. C. 22-1t

OFFICE, COMMISSIONERS, District of Columbia, Washington, May 27, 1907.—Sealed proposals will be received at this office until 12 o'clock noon, Saturday, June 15, 1907, for brass stop cocks and lead flange couplings. Forms, specifications and necessary information may be obtained at Room 43, District Building, Washington, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, JAY J. MORROW, Commissioners, D. C. 22-2t

U. S. ENGINEER OFFICE, Boston, Mass., May 29, 1907.—Sealed proposals for dredging ($3,096,000 worth) in Boston Harbor, Mass., will be received here until 12 M., June 29, 1907, and then publicly opened. Information on application. EDW. BURR, Maj., Engrs. 22-3t 26-1t

OFFICE, COMMISSIONERS, District of Columbia, Washington, May 27, 1907.—Sealed proposals will be received at this office until noon, Saturday, June 15, 1907, for furnishing covers for water meter boxes. Forms, specifications and necessary information may be obtained at Room 43, District Building, Washington, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, JAY J MORROW, Commissioners, D. C. 22-2t

U. S. ENGINEER OFFICE, Portland, Oreg., May 15, 1907.—Sealed proposals for furnishing and delivering 1,200,000 more or less, stone, etc., will be received here until 11 A. M., June 25, 1907, and then publicly opened. Information furnished on application. S. W. ... LER, Lt. Col., Engrs. 21-6t

U. S. ENGINEER OFFICE, 57 Park St., Grand Rapids, Mich., May 25, 1907.—Sealed proposals for Constructing Sheet Piling, Revetments and Repairs to South Pier at Saugatuck Harbor, Mich., will be received here until 3 P. M., June 25, 1907, and then publicly opened. Information furnished on application. M. B. ADAMS, Col., Engrs. 22-6t

U. S. ENGINEER OFFICE, P. O. Box 624, St. Paul, Minn., May 25, 1907.—Sealed proposals will be received at this office until 2 p. m., June 20, 1907, and then publicly opened, for the purchase of air compressor plant and tube mill now needed by the U. S. Information furnished on application. JAMES B. QUINN, Col., Engrs. 22-3t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 23, 1907.—Sealed proposals will be received at this office until 2 o'clock P. M. on the 14th day of June, 1907, and then opened, for an electric passenger elevator in the Enlargement U. S. Court House, Post Office, etc., at Macon, Georgia, in accordance with drawing and the specification, copies of which may be obtained at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 22-2t

U. S. ENGINEER OFFICE, Room N, Customhouse, New Orleans, La., May 21, 1907.—Sealed proposals for constructing sill across Cubit's Gap and The Jump and placing additional mattresses on sill across head of Pass-a-Loutre, Miss. River, will be received here until 12 m., June 20, 1907, and then publicly opened. Information furnished on application. E. H. RUFFNER, Col., Engrs. 22-3t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 22, 1907.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 1st day of July, 1907, and then opened, for the construction (complete), including heating apparatus, plumbing, gas piping, electric conduits and wiring, of the U. S. Post Office at Ithaca, New York, in accordance with the drawings and specifications, copies of which may be had at this office or at the office of the Postmaster at Ithaca, New York, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 22-2t

OFFICE, COMMISSIONERS, District of Columbia, Washington, D. C., May 24, 1907.—Sealed proposals will be received at this office until 12 m., Monday, June 17, 1907, for constructing junction section of trunk sewers. Forms, specifications and necessary information may be obtained at Room 43, District Building, Washington, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, JAY J. MORROW, Commissioners, D. C. 22-2t

U. S. ENGINEER OFFICE, Duluth, Minn., May 24, 1907.—Sealed proposals for building rubble mound breakwater at Superior Entry, Wis., will be received here until noon, June 24, 1907, and then publicly opened. Information on application. GRAHAM D. FITCH, Major, Engrs. 22-4t

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